

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014519.D
 Acq On : 06 Jan 2020 13:18
 Operator : SY/VA
 Sample : VW0106SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Quant Time: Jan 07 02:39:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	868720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1303364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1102751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	544078	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	372784	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
35) Dibromofluoromethane	7.88	113	362782	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.32	98	1519310	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.62	95	499897	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	101835	20.762	ug/l	95
3) Chloromethane	2.21	50	135077	22.499	ug/l	99
4) Vinyl Chloride	2.36	62	190885	21.616	ug/l	97
5) Bromomethane	2.76	94	113231	20.757	ug/l	98
6) Chloroethane	2.92	64	105047	20.868	ug/l	97
7) Trichlorofluoromethane	3.25	101	98418	22.275	ug/l	98
8) Diethyl Ether	3.68	74	83169	18.919	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	171034	20.718	ug/l	99
10) Methyl Iodide	4.27	142	247485	19.869	ug/l	98
11) Tert butyl alcohol	5.16	59	54246	76.735	ug/l	99
12) 1,1-Dichloroethene	4.04	96	172549	19.959	ug/l	98
13) Acrolein	3.89	56	61785	93.200	ug/l	98
14) Allyl chloride	4.66	41	278352	21.070	ug/l	98
15) Acrylonitrile	5.36	53	187808	93.465	ug/l	99
16) Acetone	4.11	43	185749	86.609	ug/l	100
17) Carbon Disulfide	4.38	76	538756	20.677	ug/l	98
18) Methyl Acetate	4.67	43	94637	18.271	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	214873	20.023	ug/l	98
20) Methylene Chloride	4.90	84	296229	32.575	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	185563	20.215	ug/l	93
22) Diisopropyl ether	6.31	45	515910	20.864	ug/l	97
23) Vinyl Acetate	6.24	43	1456716	97.557	ug/l	98
24) 1,1-Dichloroethane	6.21	63	323783	20.758	ug/l	100
25) 2-Butanone	7.17	43	246283	89.482	ug/l	98
26) 2,2-Dichloropropane	7.16	77	179544	20.791	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	193211	20.031	ug/l	97
28) Bromochloromethane	7.51	49	111699	18.266	ug/l	99
29) Tetrahydrofuran	7.52	42	153372	89.950	ug/l	99
30) Chloroform	7.67	83	301123	20.644	ug/l	99
31) Cyclohexane	7.95	56	333119	20.550	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	243727	20.776	ug/l	99
36) 1,1-Dichloropropene	8.08	75	259952	20.689	ug/l	99
37) Ethyl Acetate	7.24	43	103982	18.247	ug/l	98
38) Carbon Tetrachloride	8.06	117	225957	20.728	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	324044	20.096	ug/l	96
40) Benzene	8.32	78	730855	20.558	ug/l	100
41) Methacrylonitrile	7.48	41	58112	18.294	ug/l	97
42) 1,2-Dichloroethane	8.40	62	187125	20.283	ug/l	99
43) Isopropyl Acetate	8.42	43	190062	18.367	ug/l	99
44) Trichloroethene	9.09	130	191519	19.909	ug/l	99
45) 1,2-Dichloropropane	9.37	63	177098	20.300	ug/l	98
46) Dibromomethane	9.45	93	82817	19.230	ug/l	98
47) Bromodichloromethane	9.64	83	214820	20.204	ug/l	99
48) Methyl methacrylate	9.43	41	85056	16.835	ug/l	94
49) 1,4-Dioxane	9.44	88	29978	372.166	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	495759	92.255	ug/l	99
52) Toluene	10.38	92	457621	20.461	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	212796	19.329	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	264011	19.622	ug/l	97
55) 1,1,2-Trichloroethane	10.78	97	120197	19.110	ug/l	98
56) Ethyl methacrylate	10.64	69	148717	18.193	ug/l	99
57) 1,3-Dichloropropane	10.93	76	213722	19.333	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	219783	88.406	ug/l	99
59) 2-Hexanone	10.96	43	333651	90.102	ug/l	96
60) Dibromochloromethane	11.13	129	136431	19.224	ug/l	100
61) 1,2-Dibromoethane	11.23	107	114261	19.138	ug/l	98
64) Tetrachloroethene	10.86	164	161335	20.208	ug/l	96
65) Chlorobenzene	11.65	112	463290	20.507	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	153904	20.233	ug/l	98
67) Ethyl Benzene	11.73	91	850358	20.886	ug/l	97
68) m/p-Xylenes	11.84	106	645283	41.411	ug/l	99
69) o-Xylene	12.16	106	296186	20.578	ug/l	98
70) Styrene	12.18	104	503458	20.680	ug/l	99
71) Bromoform	12.35	173	77374	18.648	ug/l #	98
73) Isopropylbenzene	12.46	105	814499	20.402	ug/l	100
74) N-amyl acetate	12.27	43	168513	18.826	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	137002	19.013	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	172019	33.440	ug/l #	100
77) Bromobenzene	12.74	156	180382	19.454	ug/l	97
78) n-propylbenzene	12.80	91	985341	20.990	ug/l	99
79) 2-Chlorotoluene	12.89	91	552099	20.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	692936	20.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	41412	17.936	ug/l	92
82) 4-Chlorotoluene	12.99	91	574006	20.681	ug/l	100
83) tert-Butylbenzene	13.21	119	596178	20.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	689842	20.681	ug/l	99
85) sec-Butylbenzene	13.38	105	839213	20.659	ug/l	99
86) p-Isopropyltoluene	13.49	119	766423	20.699	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	365303	20.260	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	359891	20.218	ug/l	99
89) n-Butylbenzene	13.82	91	710778	20.672	ug/l	99
90) Hexachloroethane	14.09	117	128904	19.928	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	316038	19.943	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20199	17.702	ug/l	97

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	207905	19.427	ug/l	98
94) Hexachlorobutadiene	15.24	225	139179	19.407	ug/l	99
95) Naphthalene	15.36	128	313491	17.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	172338	18.475	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

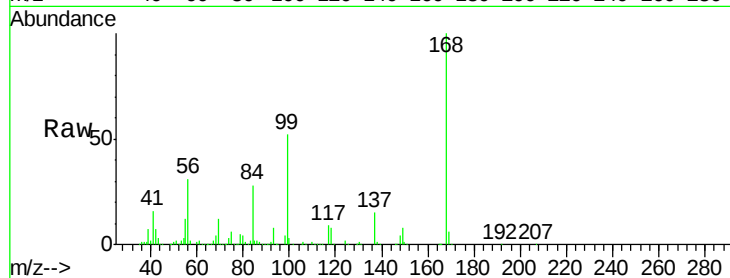
VW0106SBS01

Tgt Ion:168 Resp: 868720

Ion Ratio Lower Upper

168 100

99 51.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

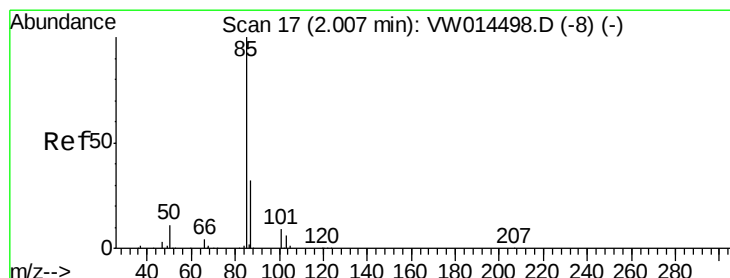
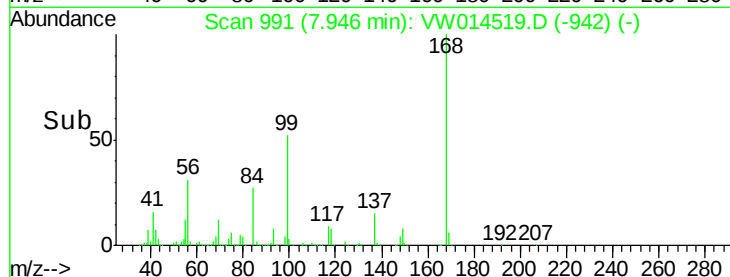
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.762 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014519.D

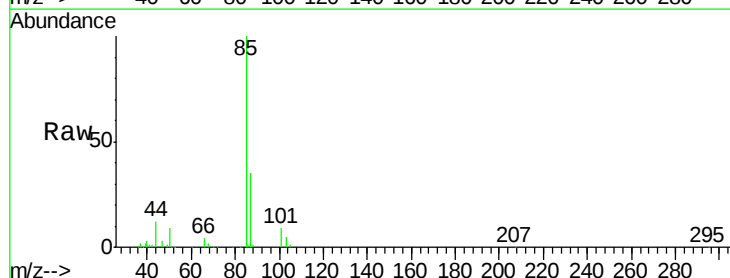
Acq: 06 Jan 2020 13:18

Tgt Ion: 85 Resp: 101835

Ion Ratio Lower Upper

85 100

87 35.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

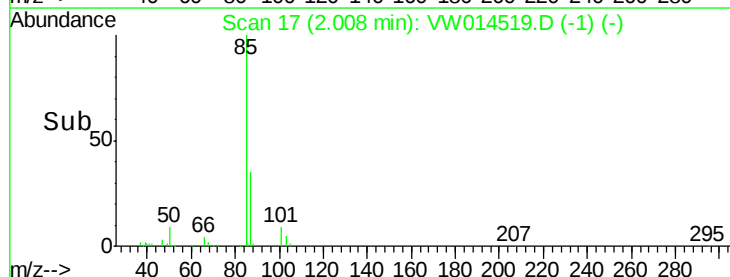
30000

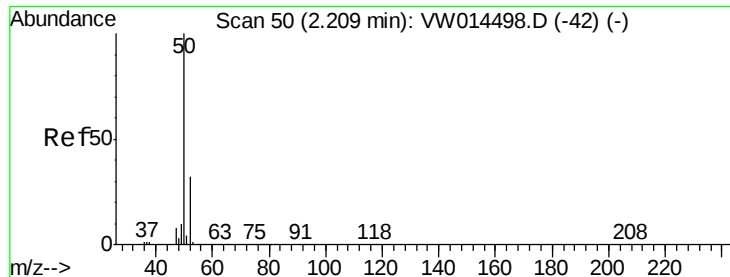
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.499 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

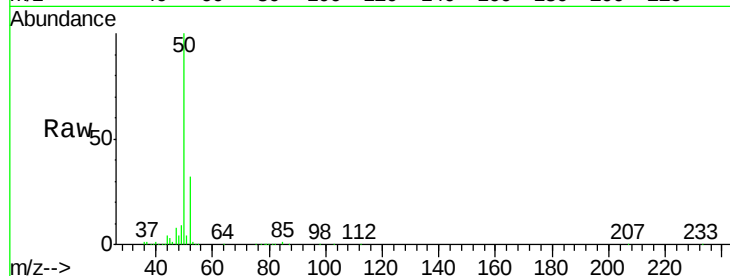
VW0106SBS01

Tgt Ion: 50 Resp: 135077

Ion Ratio Lower Upper

50 100

52 31.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

100000

80000

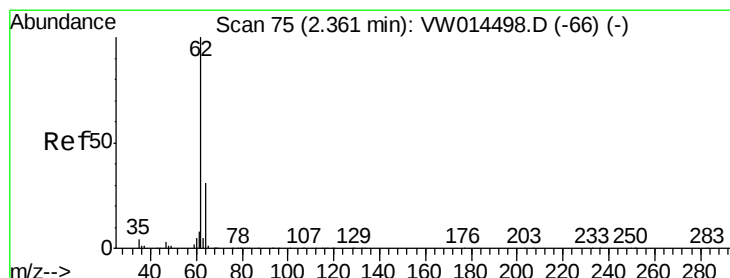
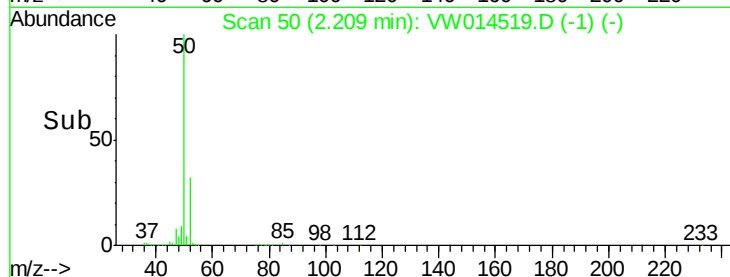
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.616 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014519.D

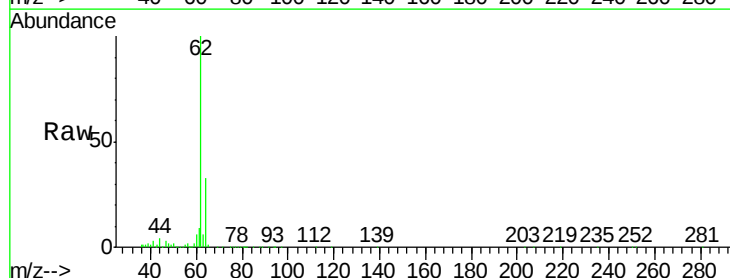
Acq: 06 Jan 2020 13:18

Tgt Ion: 62 Resp: 190885

Ion Ratio Lower Upper

62 100

64 32.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

120000

100000

80000

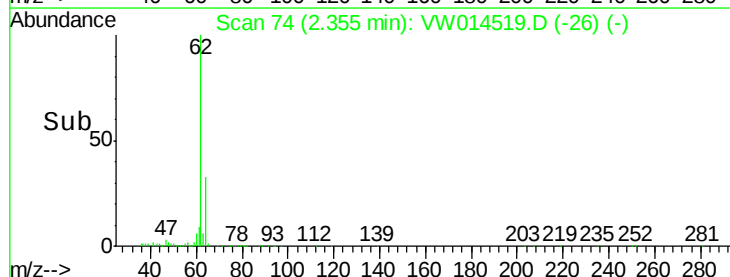
60000

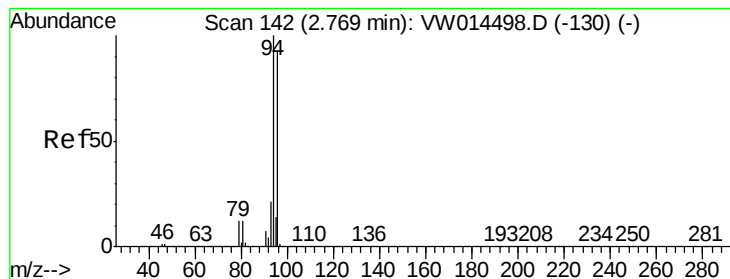
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.757 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

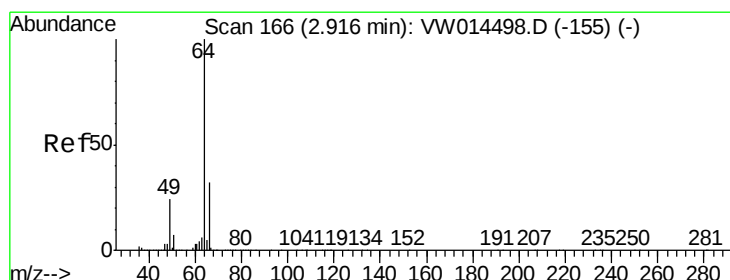
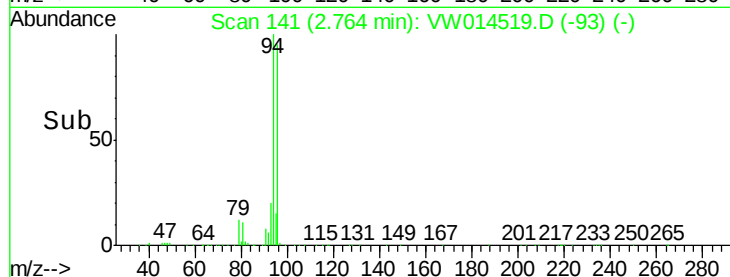
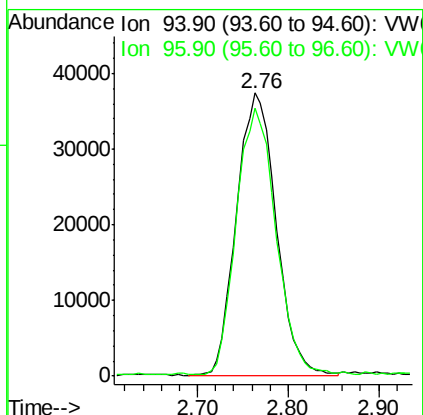
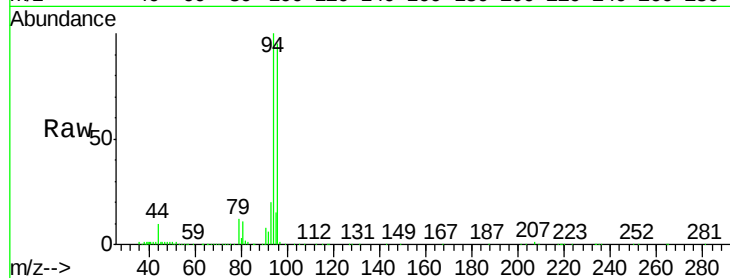
VW0106SBS01

Tgt Ion: 94 Resp: 113231

Ion Ratio Lower Upper

94 100

96 94.2 74.2 111.2



#6

Chloroethane

Concen: 20.868 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014519.D

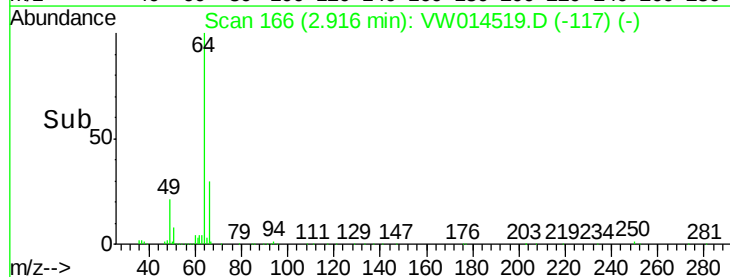
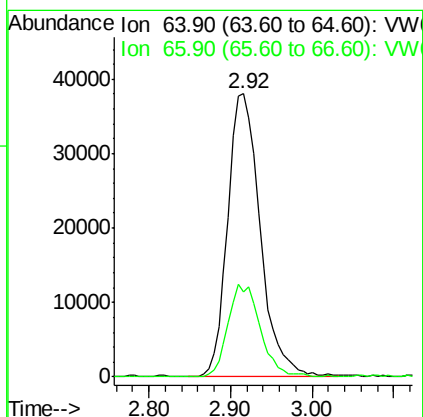
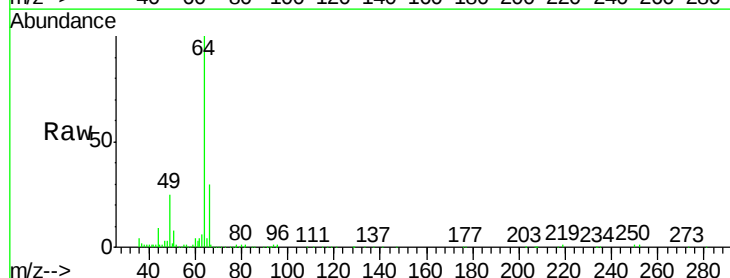
Acq: 06 Jan 2020 13:18

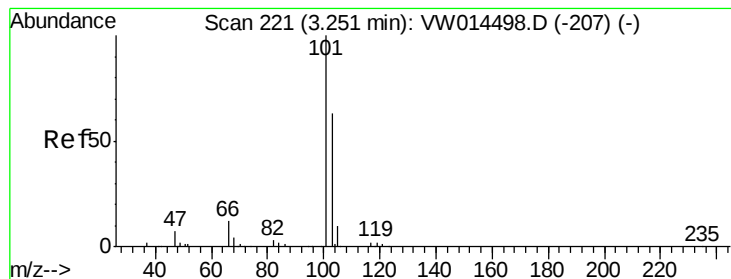
Tgt Ion: 64 Resp: 105047

Ion Ratio Lower Upper

64 100

66 30.2 25.7 38.5



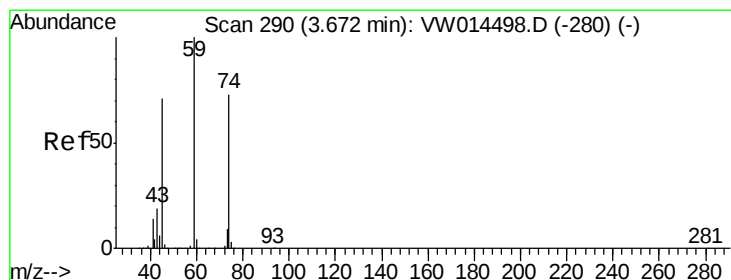
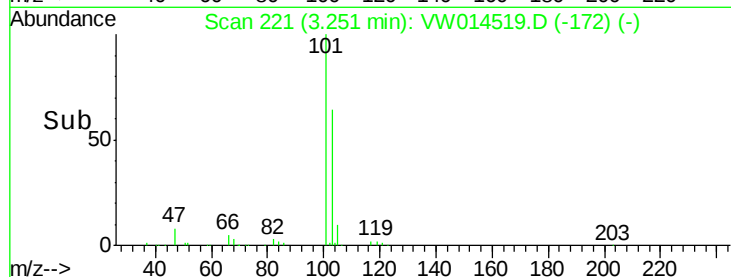
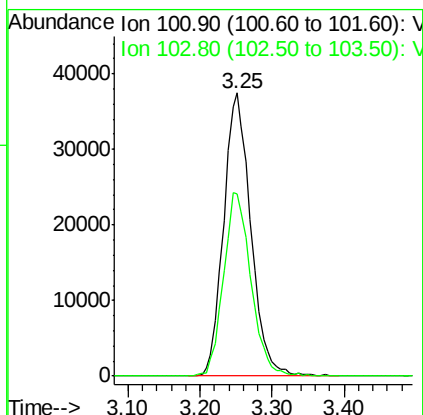
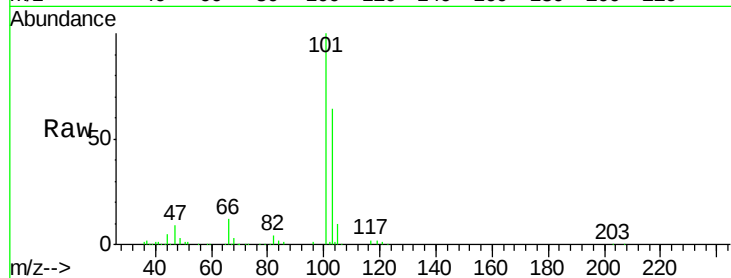


#7

Trichlorofluoromethane
 Concen: 22.275 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

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 MSVOA_W
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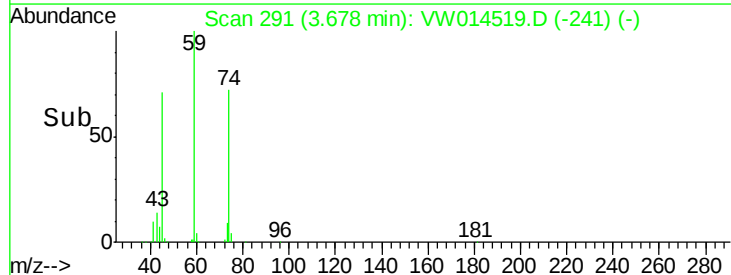
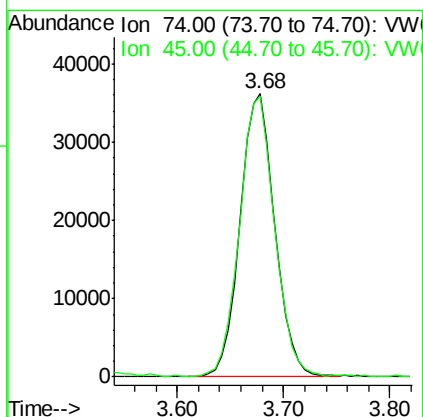
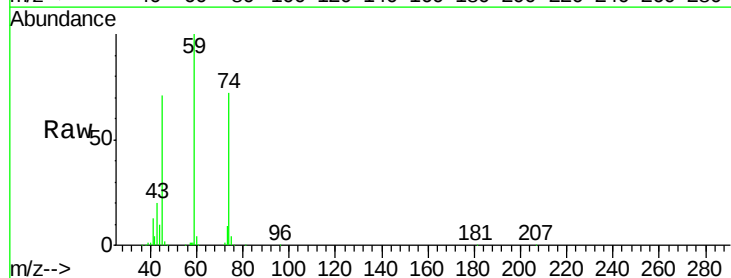
Tgt Ion:101 Resp: 98418
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.1 75.1

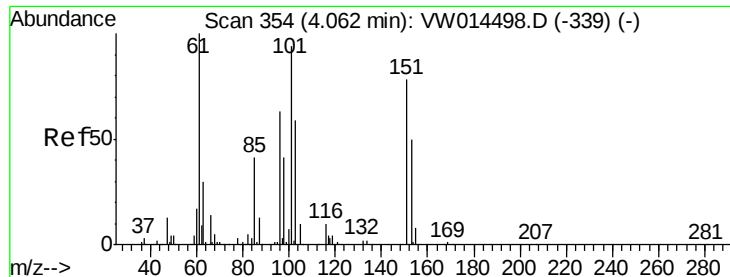


#8

Diethyl Ether
 Concen: 18.919 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion: 74 Resp: 83169
 Ion Ratio Lower Upper
 74 100
 45 100.7 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.718 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

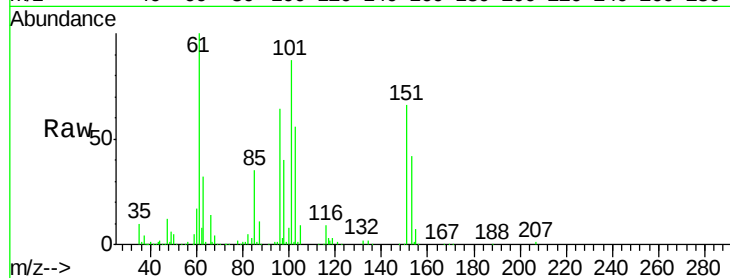
Tgt Ion:101 Resp: 171034

Ion Ratio Lower Upper

101 100

85 42.5 33.7 50.5

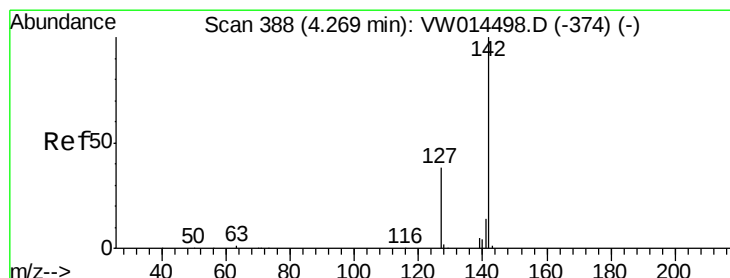
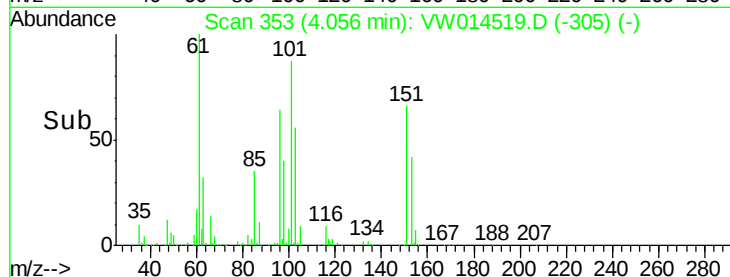
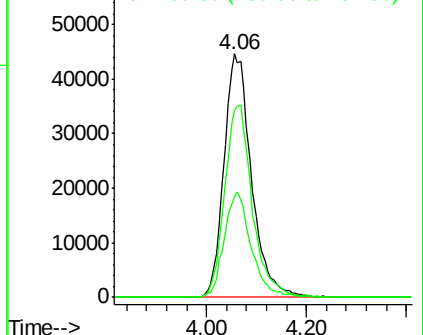
151 78.9 63.5 95.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.869 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

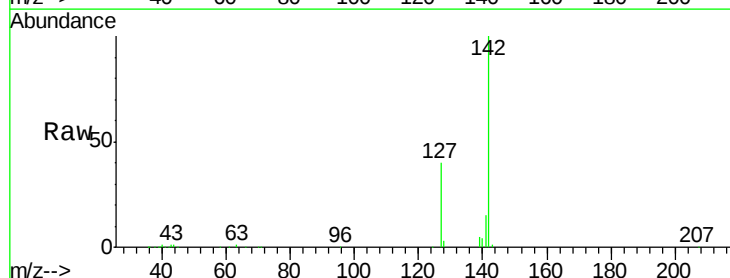
Tgt Ion:142 Resp: 247485

Ion Ratio Lower Upper

142 100

127 39.7 30.2 45.4

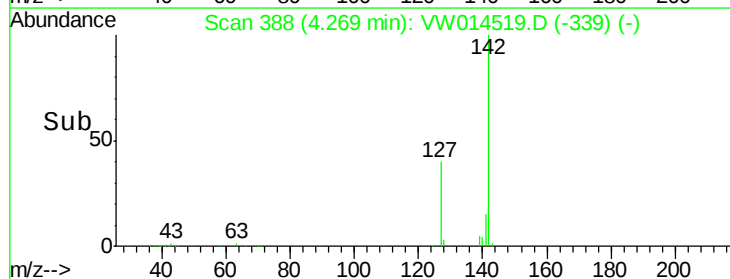
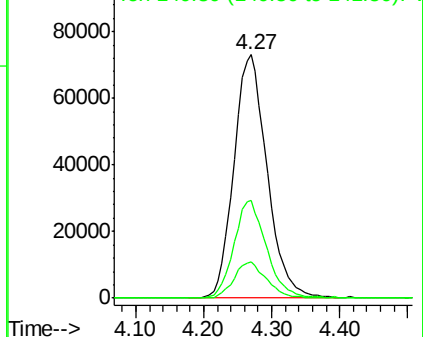
141 14.5 11.4 17.2

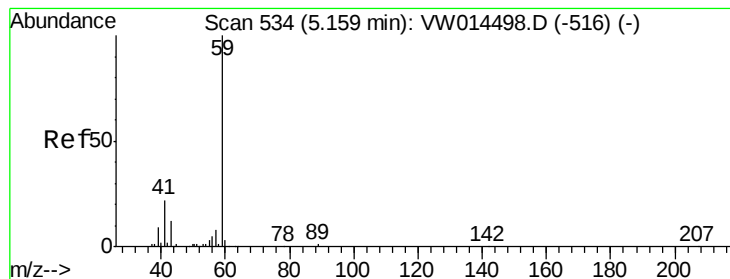


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 76.735 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

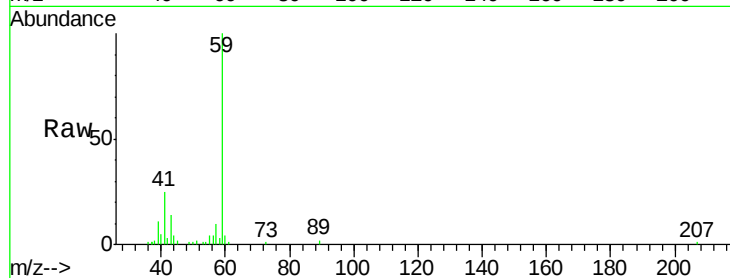
VW0106SBS01

Tgt Ion: 59 Resp: 54246

Ion Ratio Lower Upper

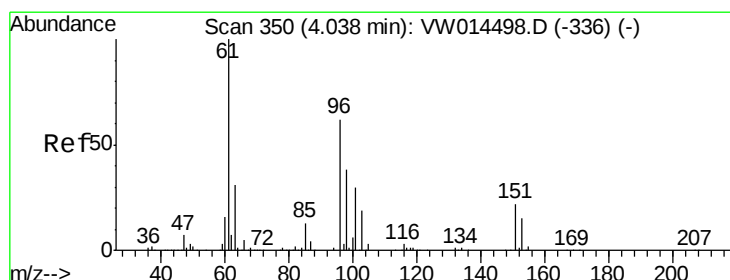
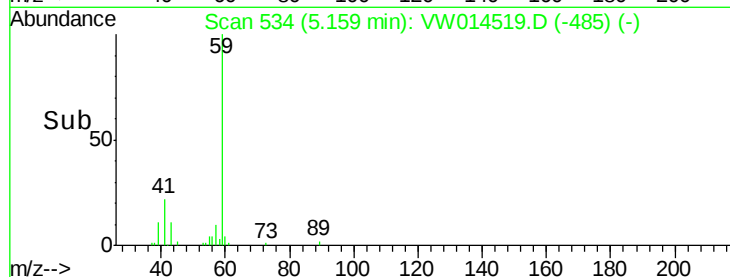
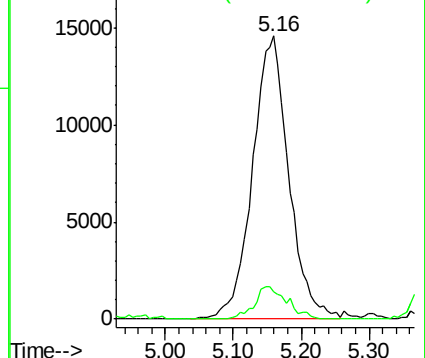
59 100

57 10.3 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.959 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

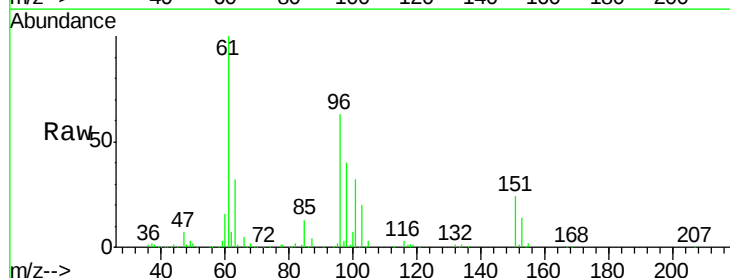
Tgt Ion: 96 Resp: 172549

Ion Ratio Lower Upper

96 100

61 159.2 128.4 192.6

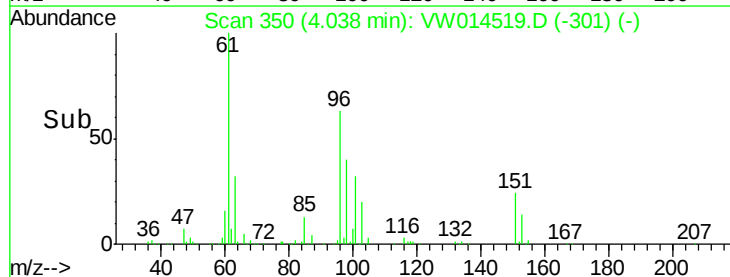
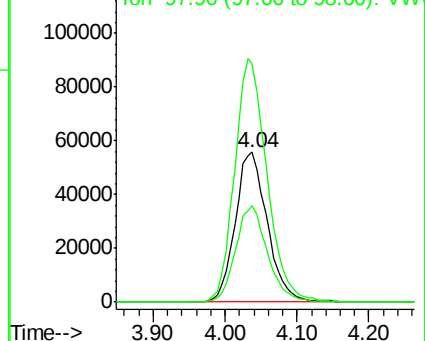
98 64.4 49.1 73.7

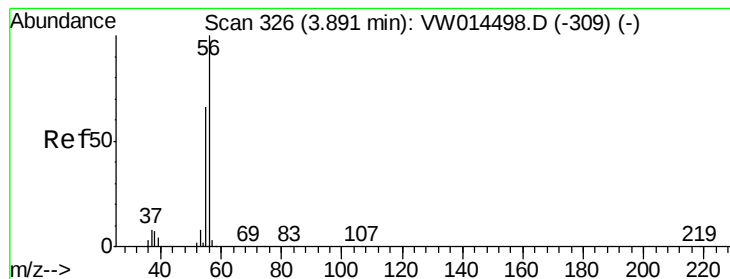


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 93.200 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

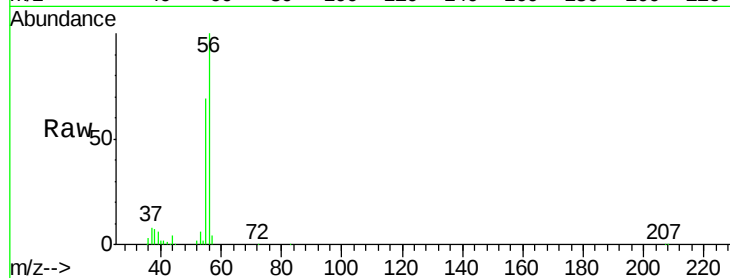
VW0106SBS01

Tgt Ion: 56 Resp: 61785

Ion Ratio Lower Upper

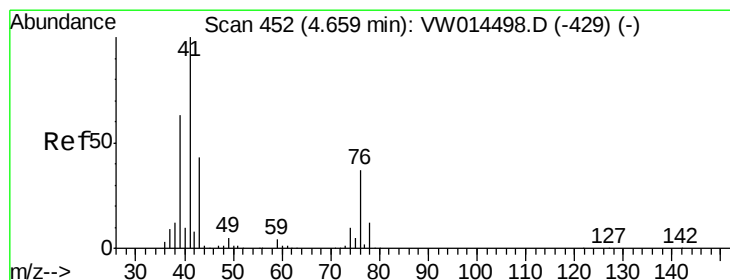
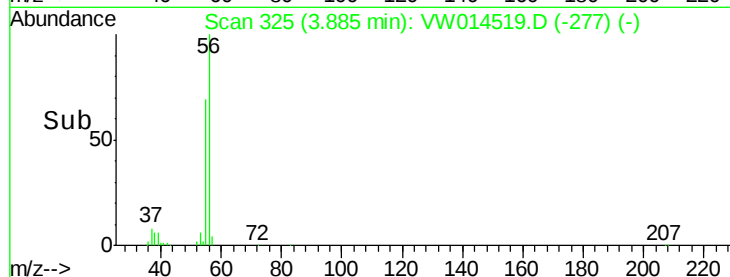
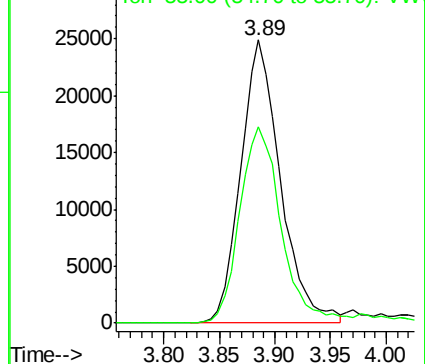
56 100

55 72.3 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.070 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

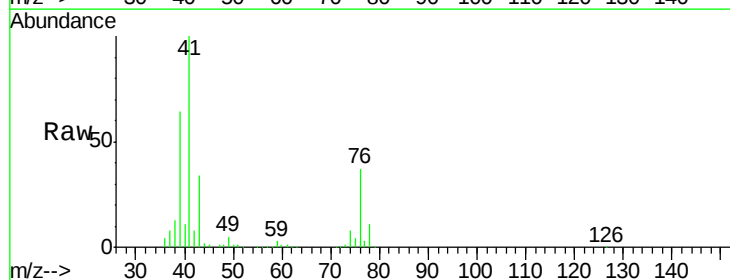
Tgt Ion: 41 Resp: 278352

Ion Ratio Lower Upper

41 100

39 62.5 48.5 72.7

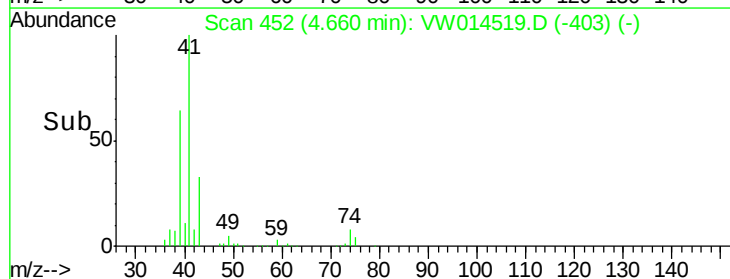
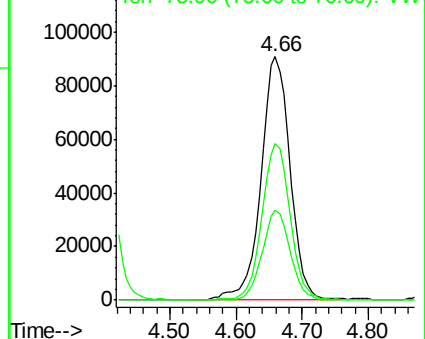
76 34.8 28.1 42.1

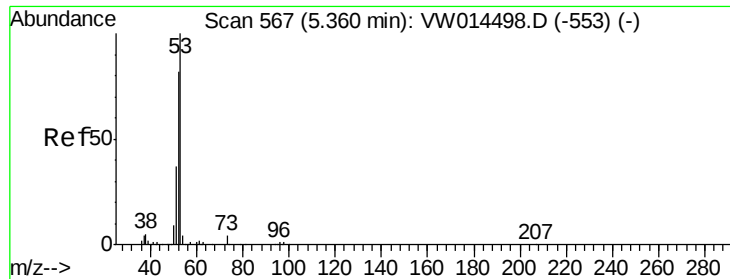


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 93.465 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

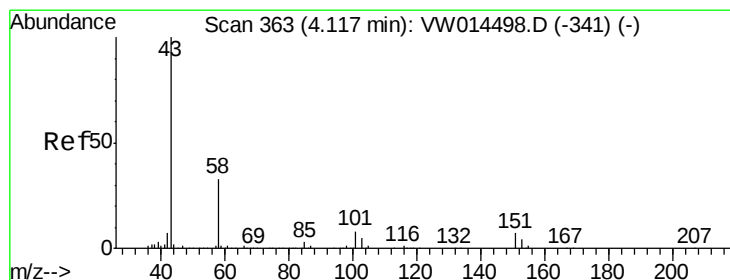
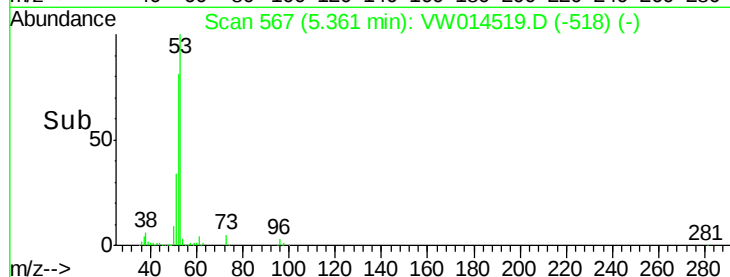
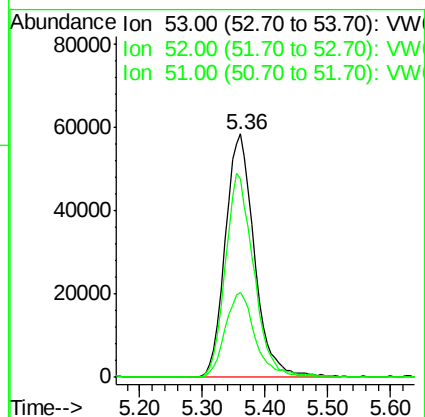
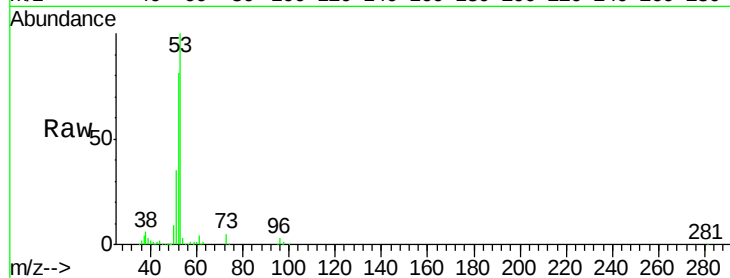
Tgt Ion: 53 Resp: 187808

Ion Ratio Lower Upper

53 100

52 81.8 66.5 99.7

51 36.1 28.4 42.6



#16

Acetone

Concen: 86.609 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014519.D

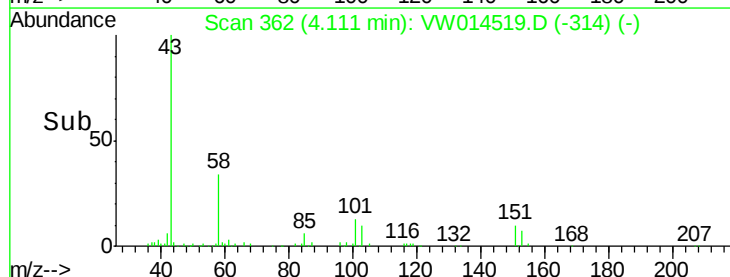
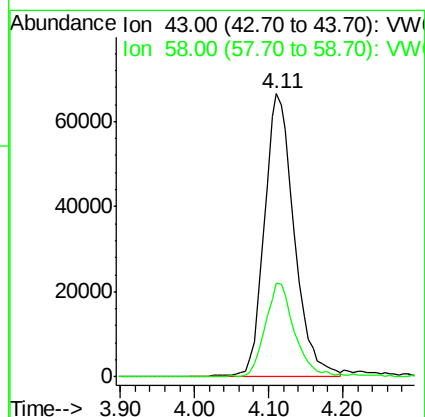
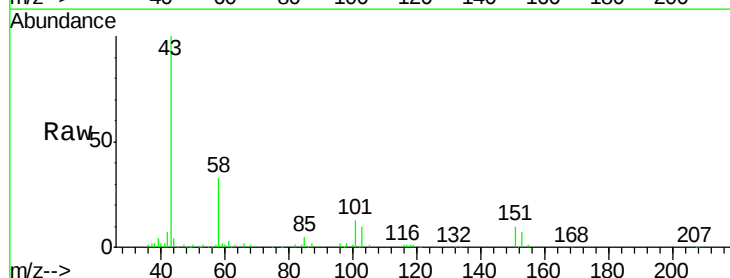
Acq: 06 Jan 2020 13:18

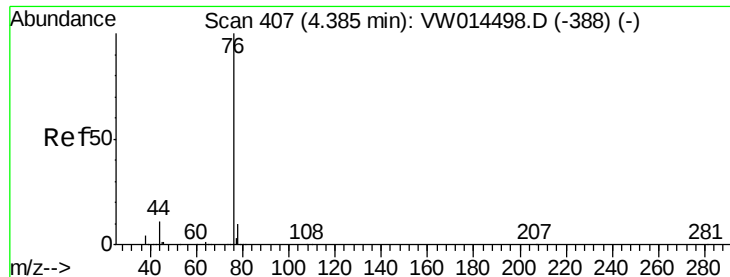
Tgt Ion: 43 Resp: 185749

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8





#17

Carbon Disulfide

Concen: 20.677 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

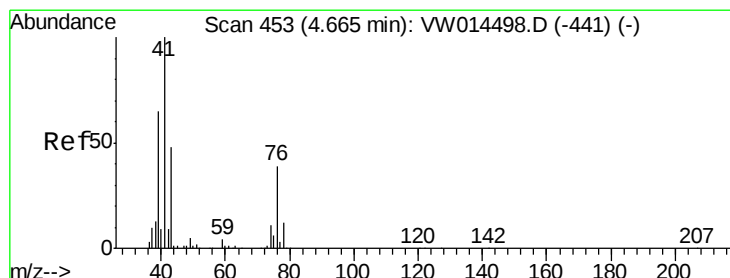
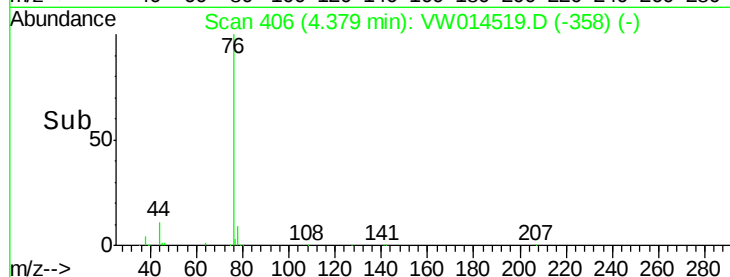
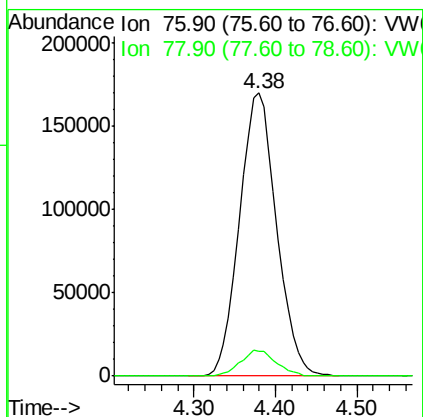
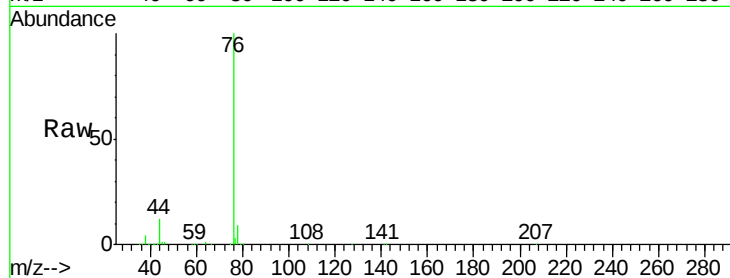
VW0106SBS01

Tgt Ion: 76 Resp: 538756

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6



#18

Methyl Acetate

Concen: 18.271 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014519.D

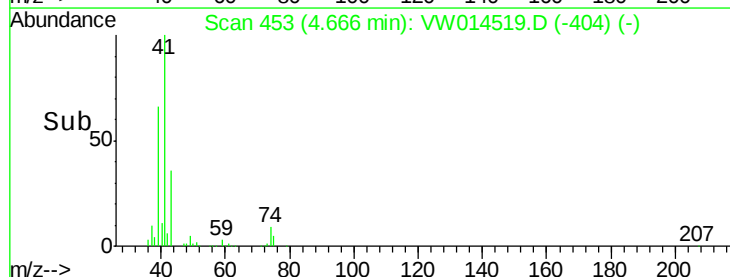
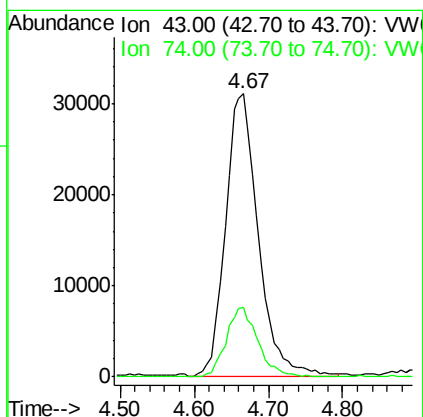
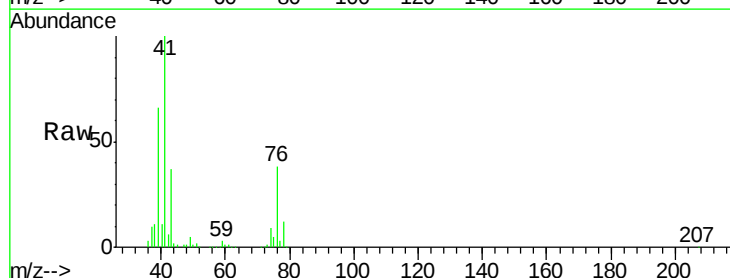
Acq: 06 Jan 2020 13:18

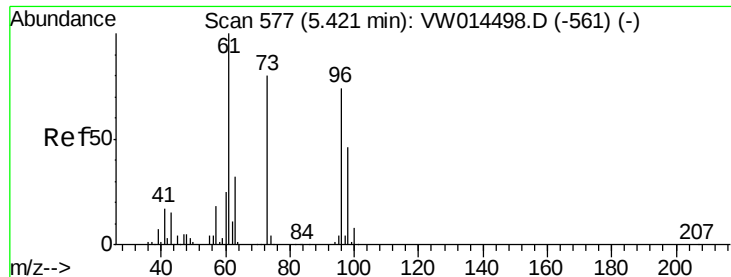
Tgt Ion: 43 Resp: 94637

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9

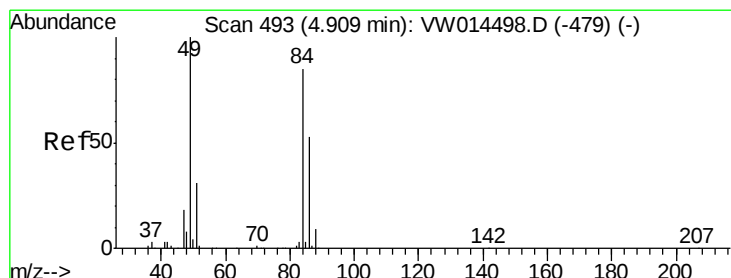
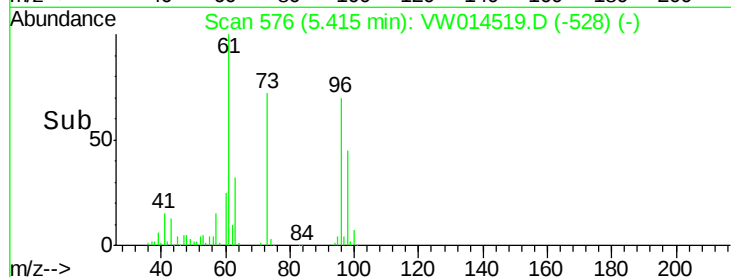
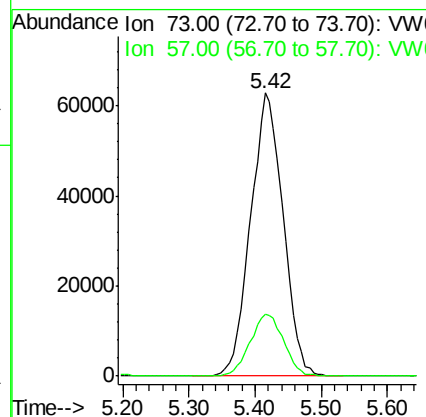
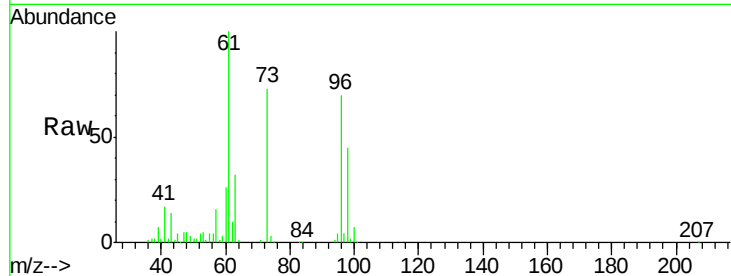




#19
Methyl tert-butyl Ether
Concen: 20.023 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

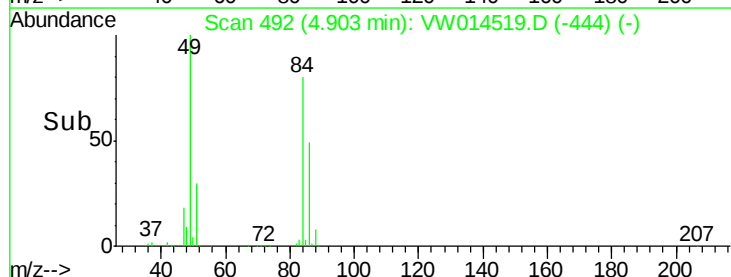
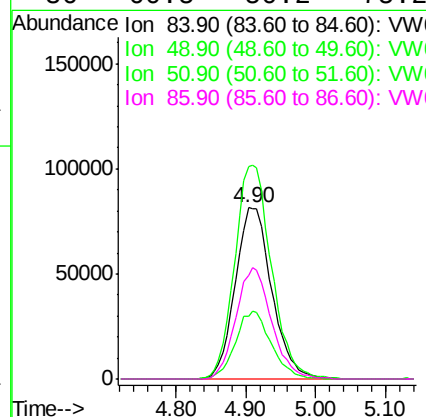
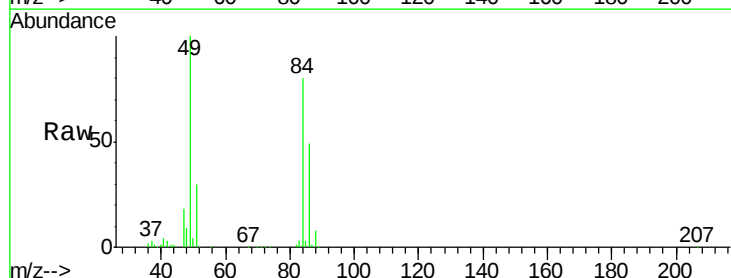
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

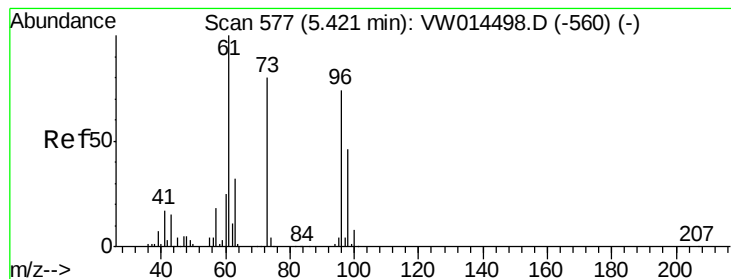
Tgt Ion: 73 Resp: 214873
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1



#20
Methylene Chloride
Concen: 32.575 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 84 Resp: 296229
Ion Ratio Lower Upper
84 100
49 124.3 94.4 141.6
51 36.8 29.5 44.3
86 60.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.215 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

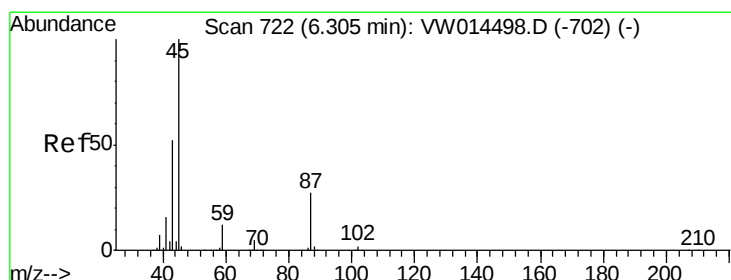
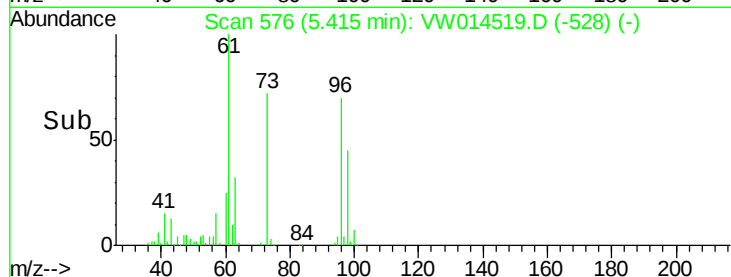
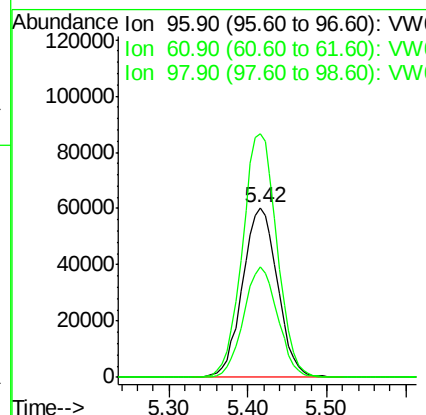
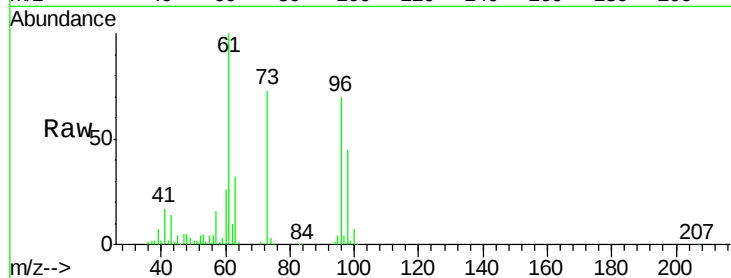
Tgt Ion: 96 Resp: 185563

Ion Ratio Lower Upper

96 100

61 143.7 107.8 161.6

98 65.2 49.4 74.0



#22

Diisopropyl ether

Concen: 20.864 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Tgt Ion: 45 Resp: 515910

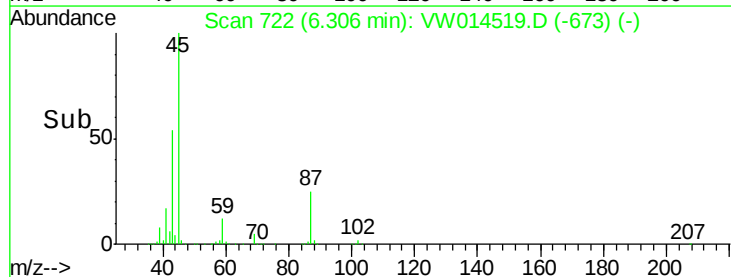
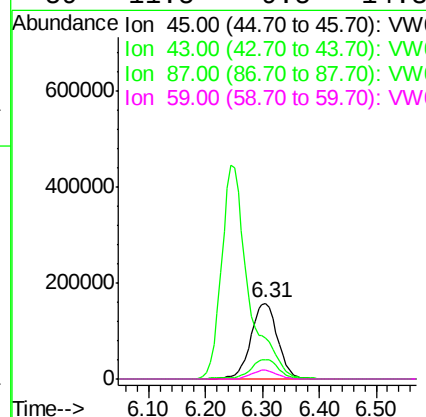
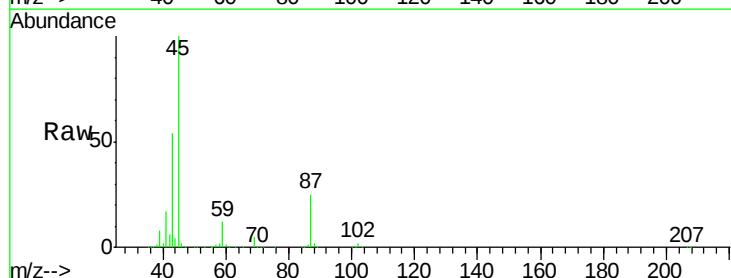
Ion Ratio Lower Upper

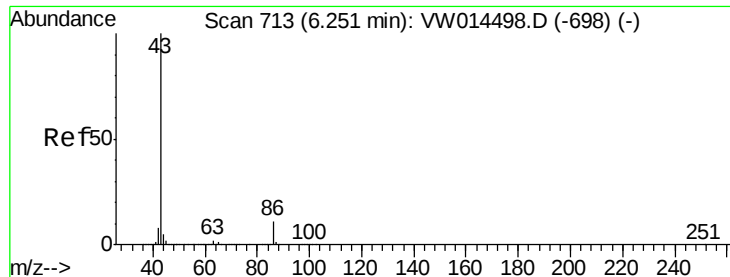
45 100

43 53.6 41.4 62.0

87 25.0 22.2 33.2

59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 97.557 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

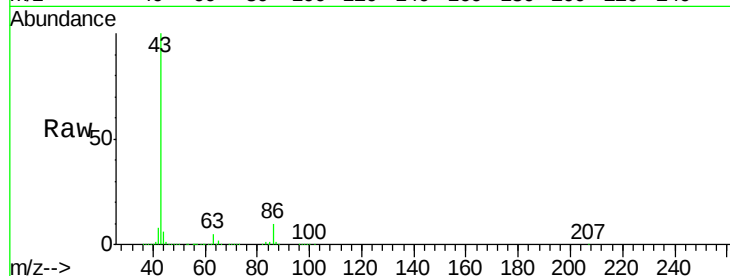
VW0106SBS01

Tgt Ion: 43 Resp: 1456716

Ion Ratio Lower Upper

43 100

86 10.3 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

400000

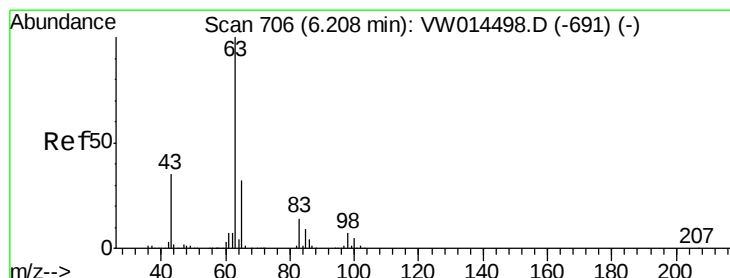
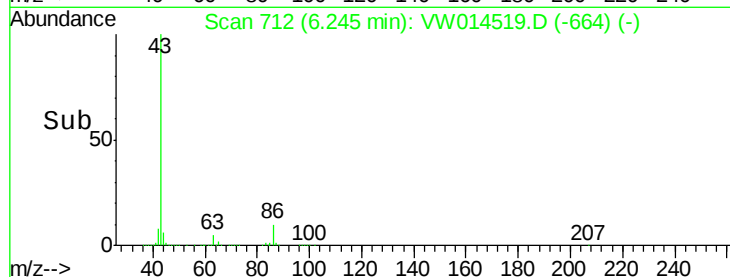
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.758 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

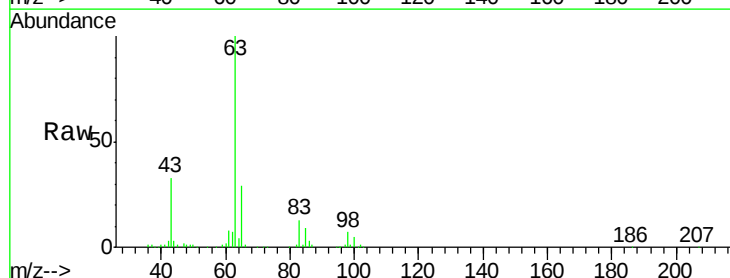
Tgt Ion: 63 Resp: 323783

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.7 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

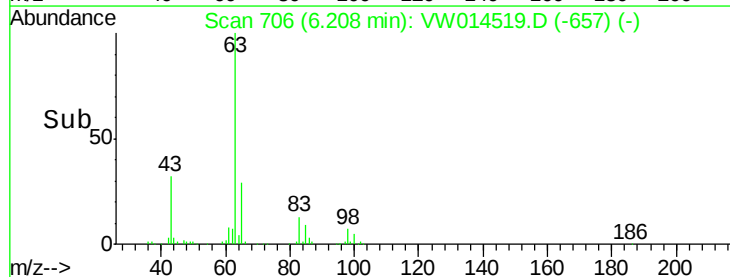
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 89.482 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

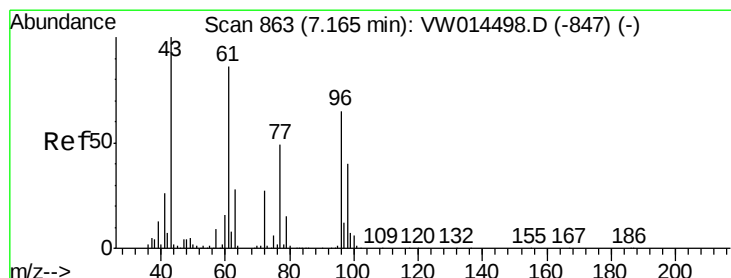
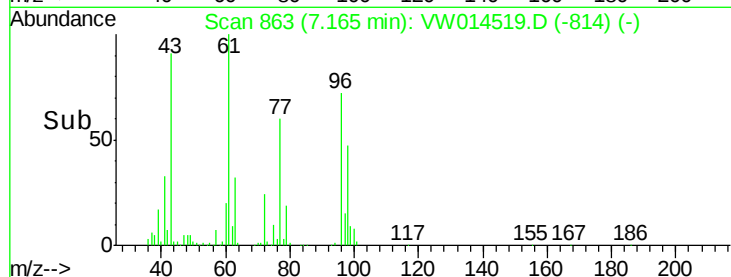
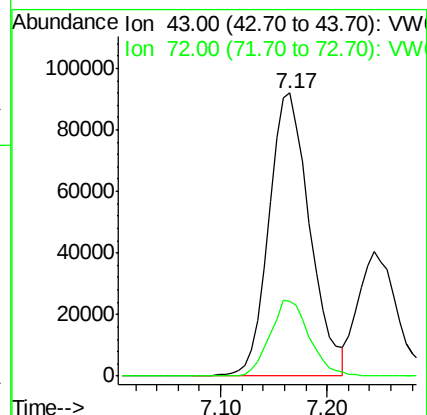
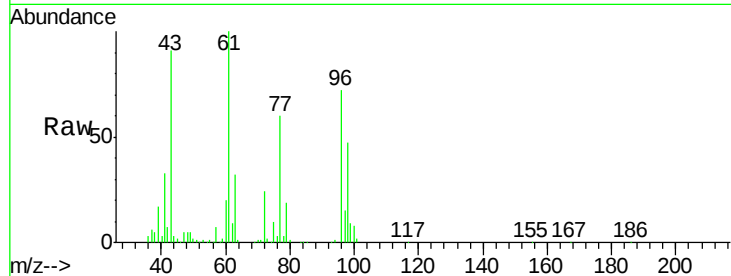
VW0106SBS01

Tgt Ion: 43 Resp: 246283

Ion Ratio Lower Upper

43 100

72 26.2 21.9 32.9



#26

2,2-Dichloropropane

Concen: 20.791 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014519.D

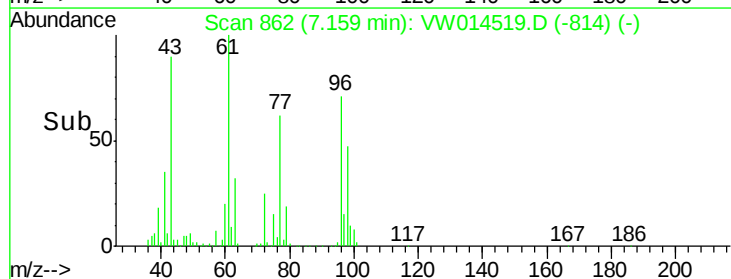
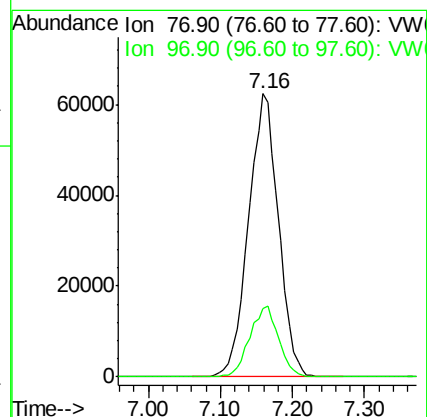
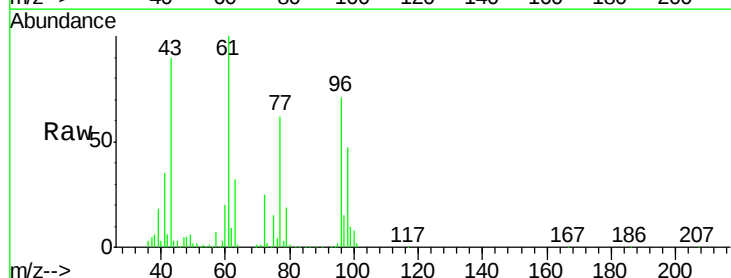
Acq: 06 Jan 2020 13:18

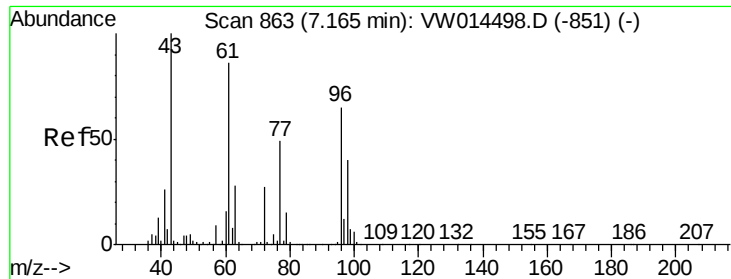
Tgt Ion: 77 Resp: 179544

Ion Ratio Lower Upper

77 100

97 24.1 12.5 37.5



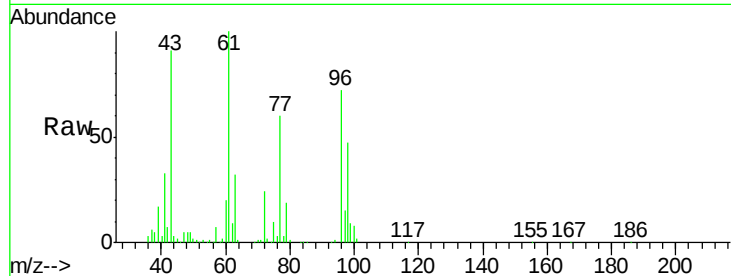


#27

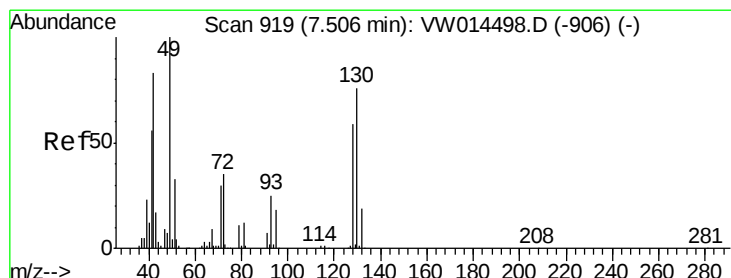
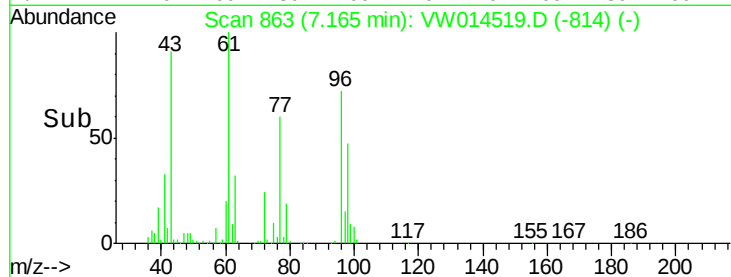
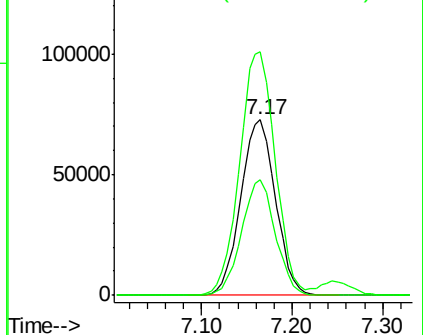
cis-1,2-Dichloroethene
Concen: 20.031 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion: 96 Resp: 193211
Ion Ratio Lower Upper
96 100
61 142.1 0.0 274.8
98 64.2 0.0 128.6



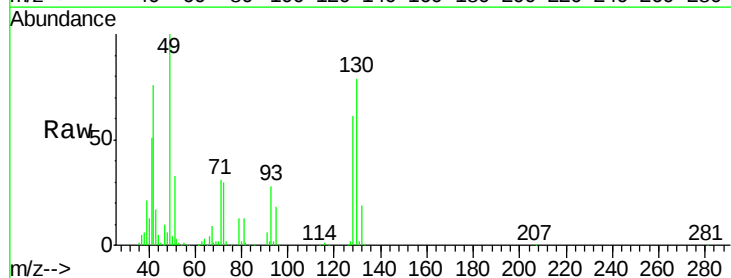
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



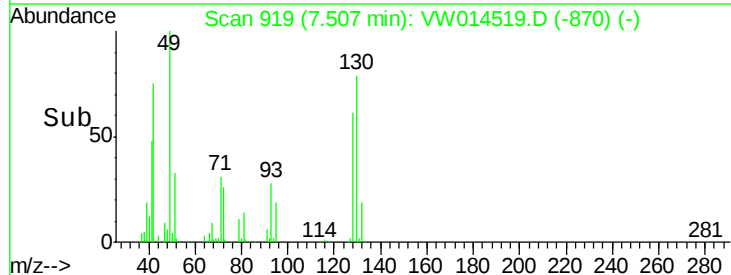
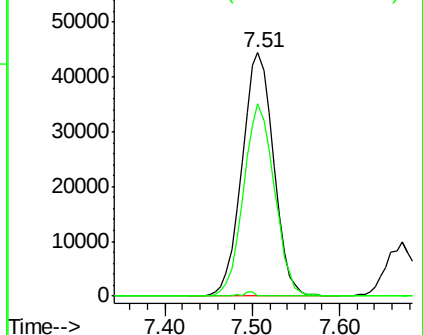
#28

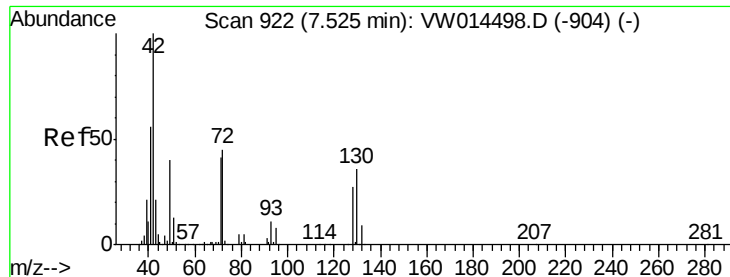
Bromochloromethane
Concen: 18.266 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 49 Resp: 111699
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.0
130 77.2 62.5 93.7



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 89.950 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

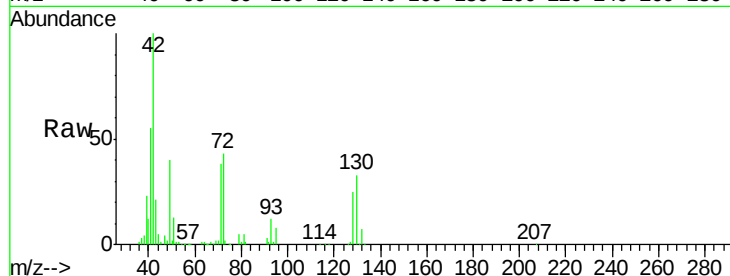
Tgt Ion: 42 Resp: 153372

Ion Ratio Lower Upper

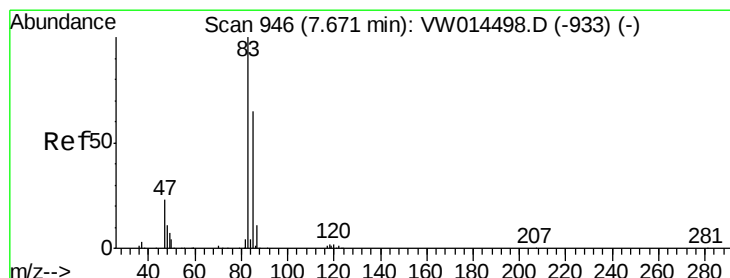
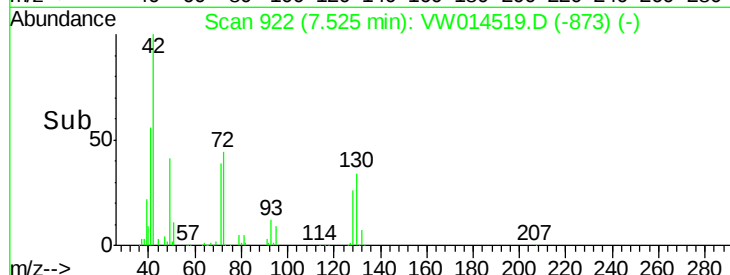
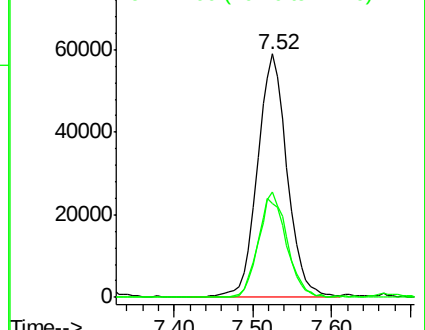
42 100

72 42.3 34.5 51.7

71 40.0 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.644 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014519.D

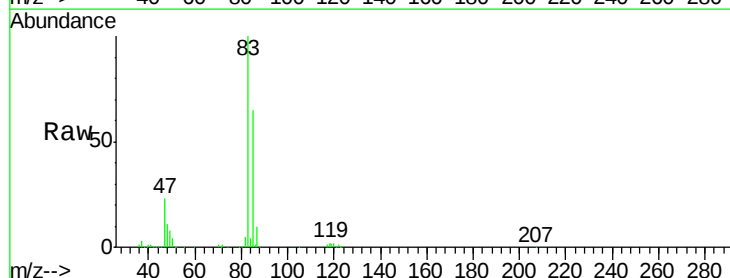
Acq: 06 Jan 2020 13:18

Tgt Ion: 83 Resp: 301123

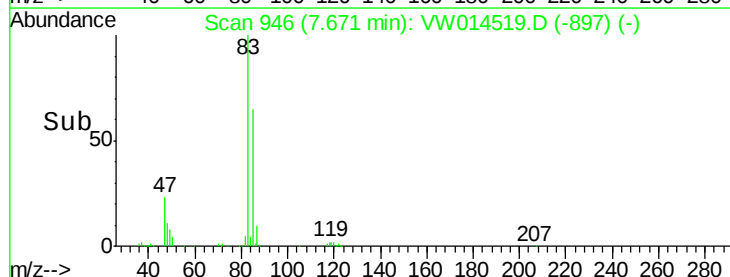
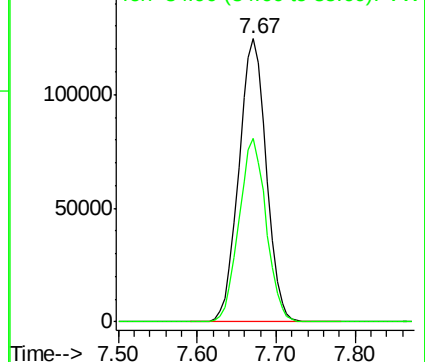
Ion Ratio Lower Upper

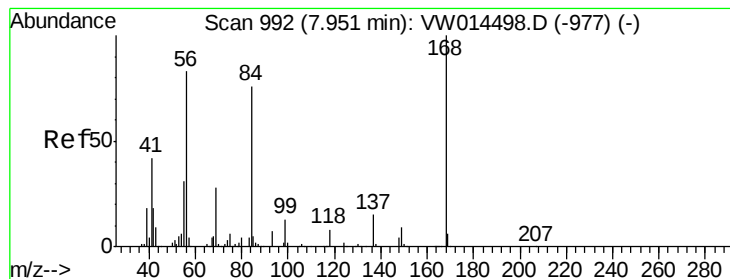
83 100

85 64.7 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.550 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

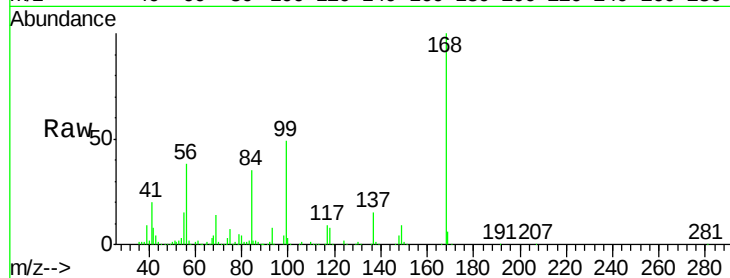
Tgt Ion: 56 Resp: 333119

Ion Ratio Lower Upper

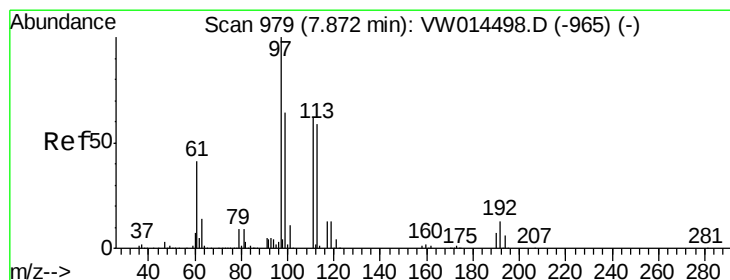
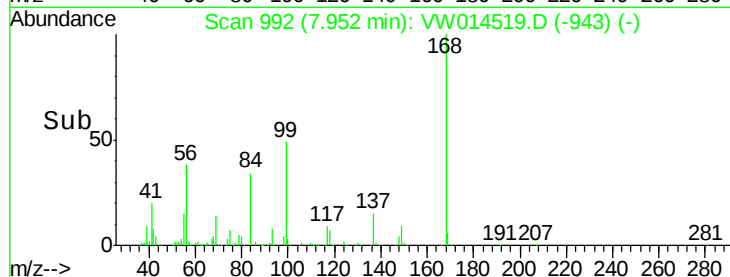
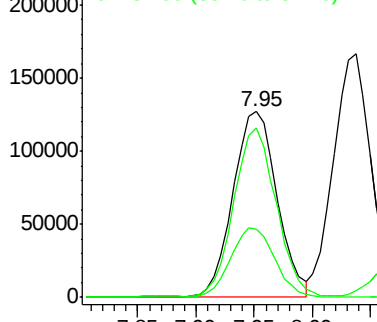
56 100

69 36.9 26.8 40.2

84 90.0 71.8 107.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 20.776 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

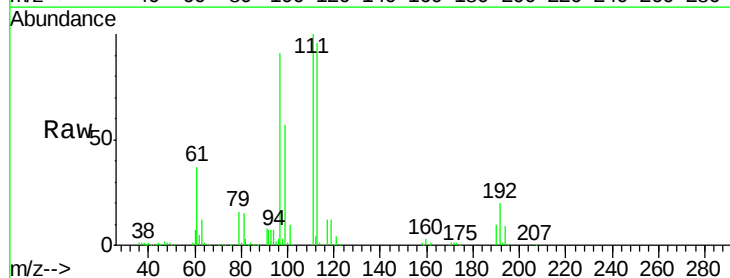
Tgt Ion: 97 Resp: 243727

Ion Ratio Lower Upper

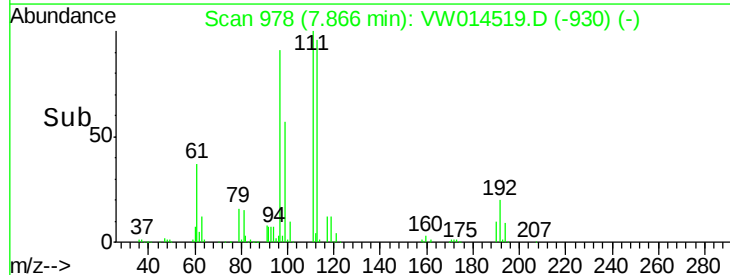
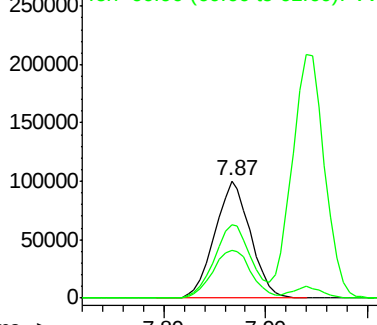
97 100

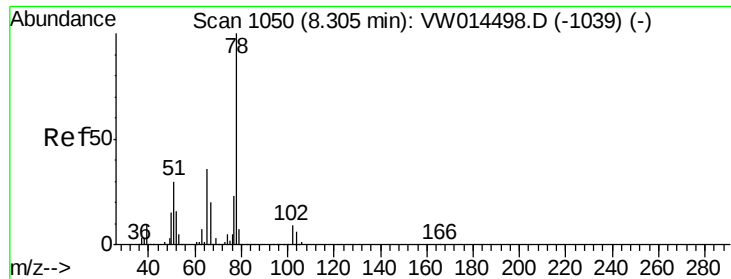
99 64.9 51.8 77.6

61 43.9 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 49.081 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

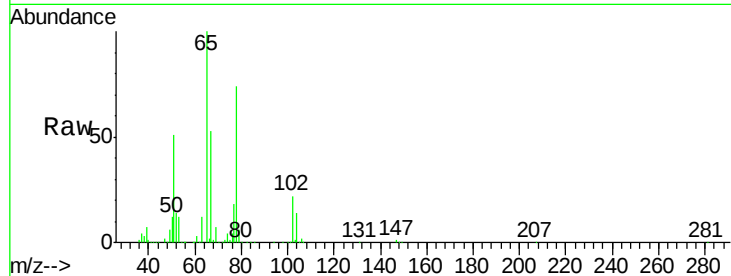
VW0106SBS01

Tgt Ion: 65 Resp: 372784

Ion Ratio Lower Upper

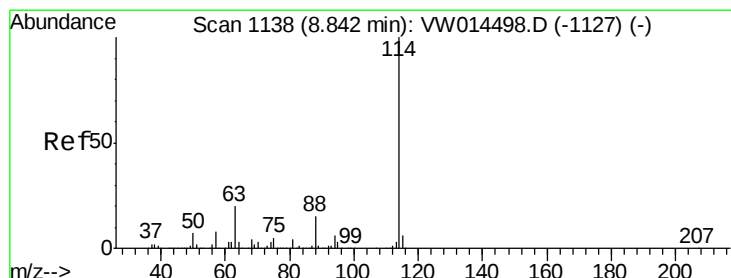
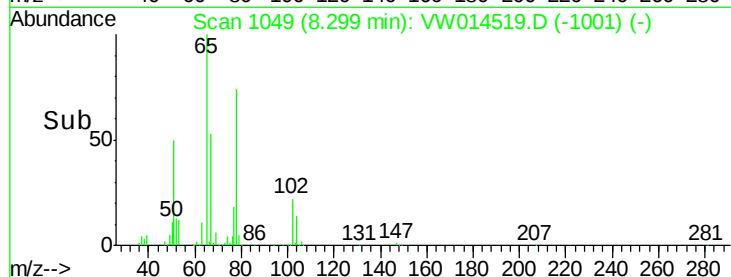
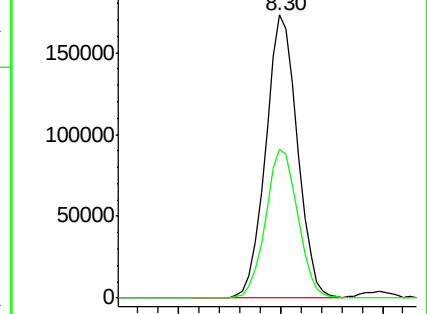
65 100

67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

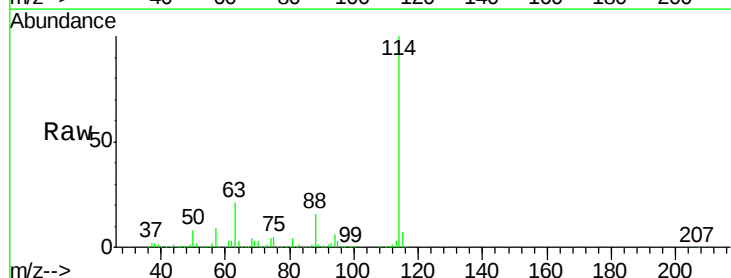
Tgt Ion: 114 Resp: 1303364

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

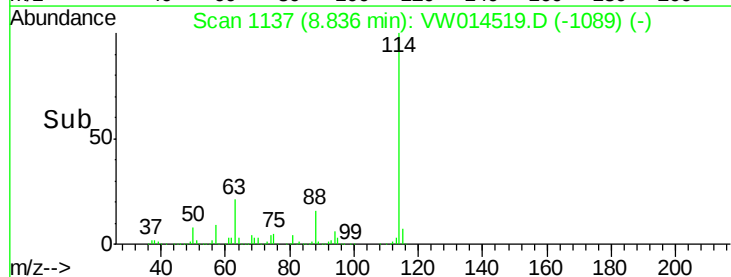
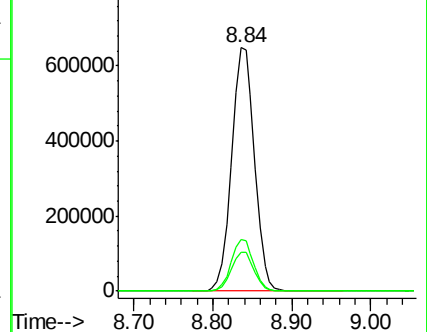
88 16.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

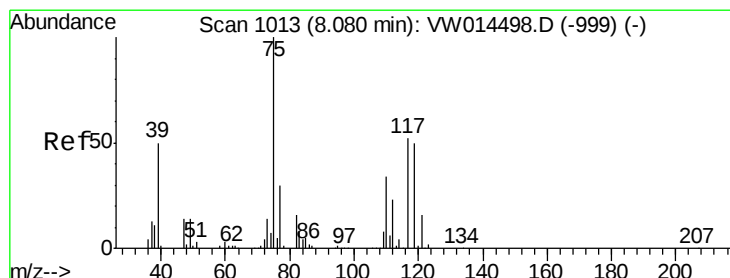
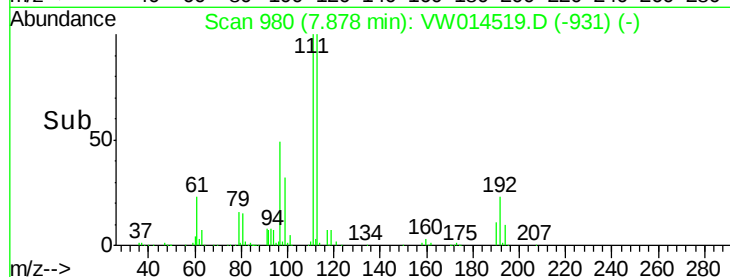
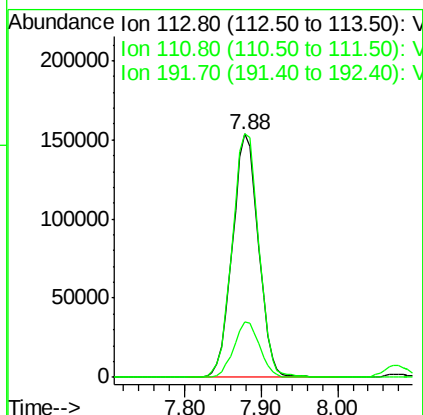
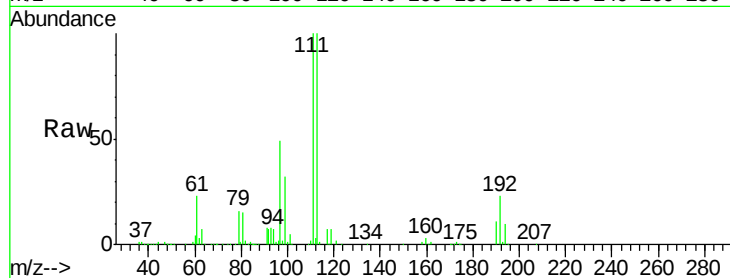




#35
 Dibromofluoromethane
 Concen: 48.702 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

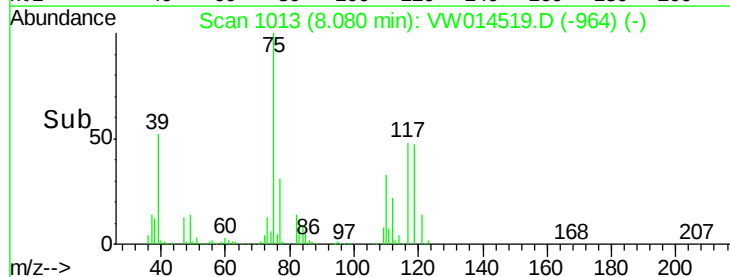
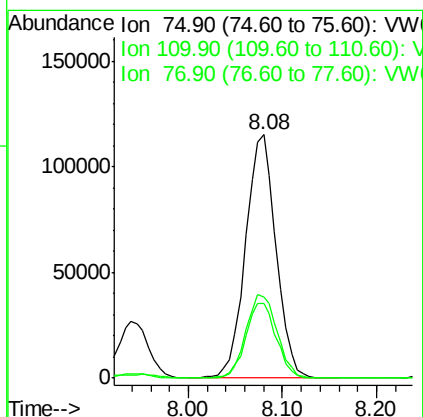
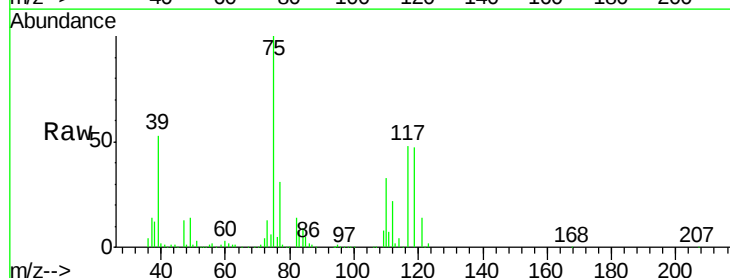
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

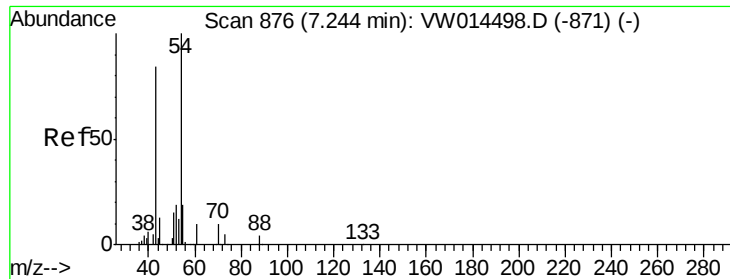
Tgt Ion: 113 Resp: 362782
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 22.3 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 20.689 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion: 75 Resp: 259952
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.8 53.5
 77 31.4 24.7 37.1

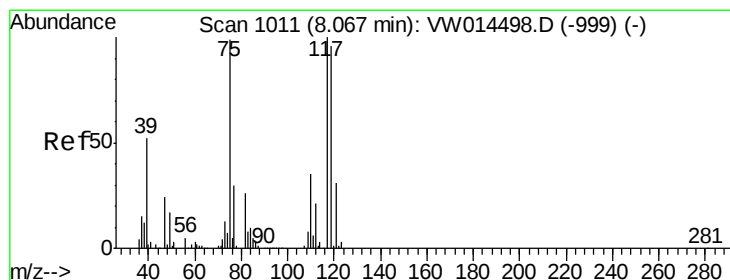
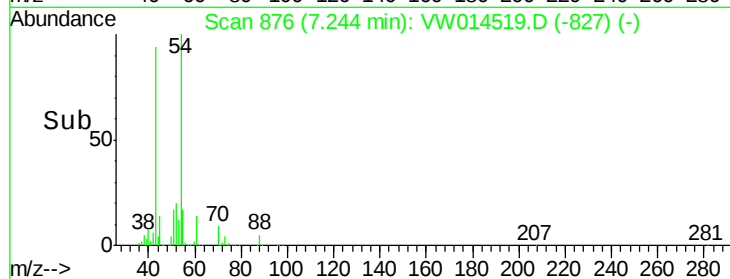
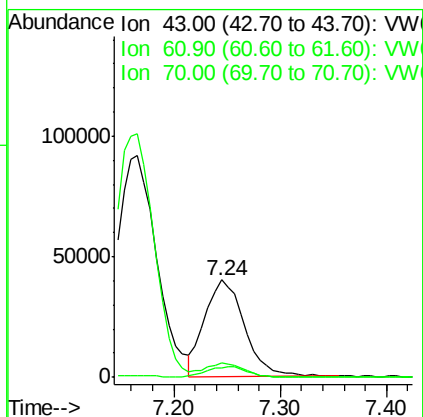
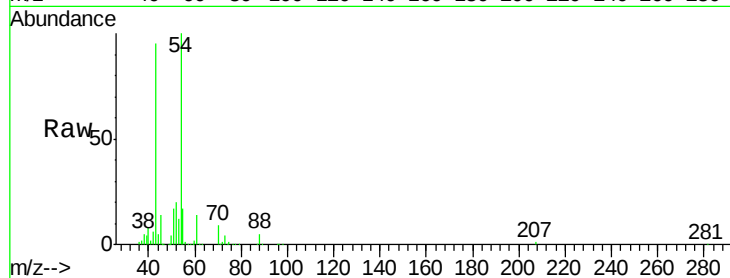




#37
Ethyl Acetate
Concen: 18.247 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

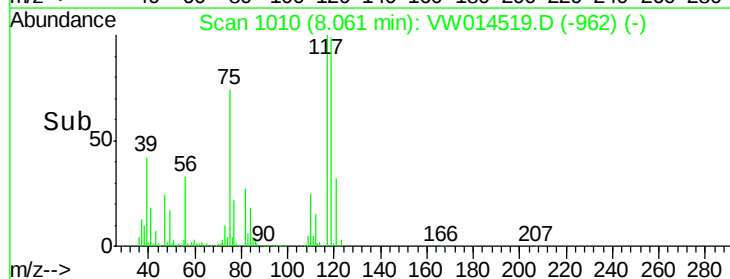
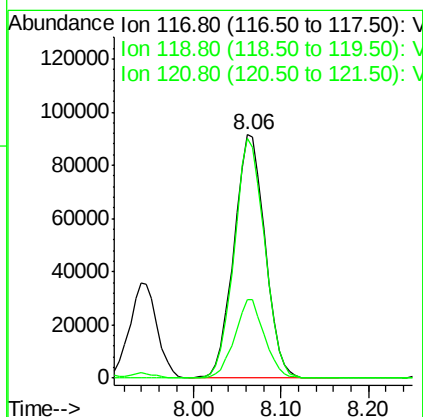
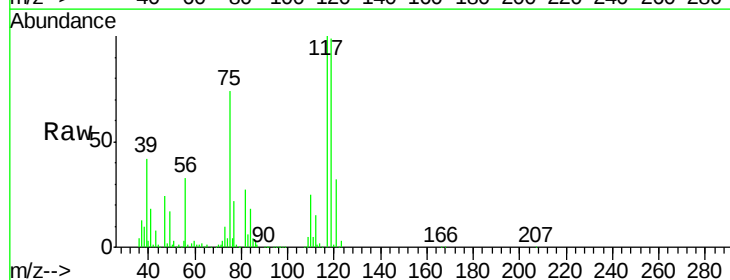
Instrument :
MSVOA_W
ClientSampled :
VW0106SBS01

Tgt Ion: 43 Resp: 103982
Ion Ratio Lower Upper
43 100
61 13.5 11.7 17.5
70 10.9 9.0 13.6



#38
Carbon Tetrachloride
Concen: 20.728 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 117 Resp: 225957
Ion Ratio Lower Upper
117 100
119 98.6 77.0 115.6
121 32.4 24.6 36.8

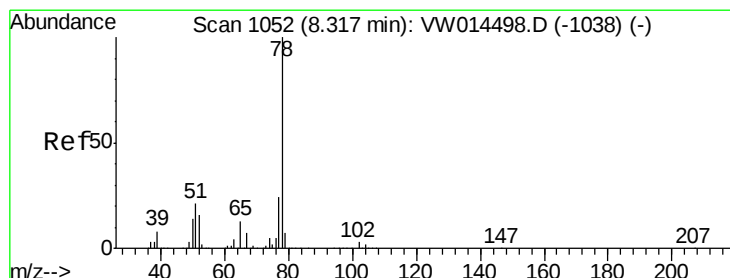
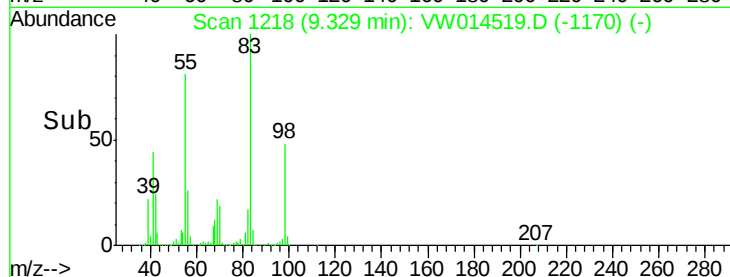
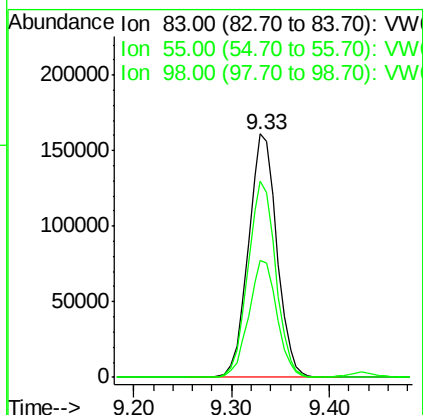
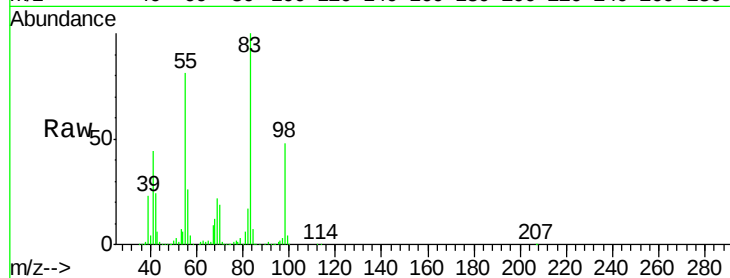




#39
Methylcyclohexane
Concen: 20.096 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

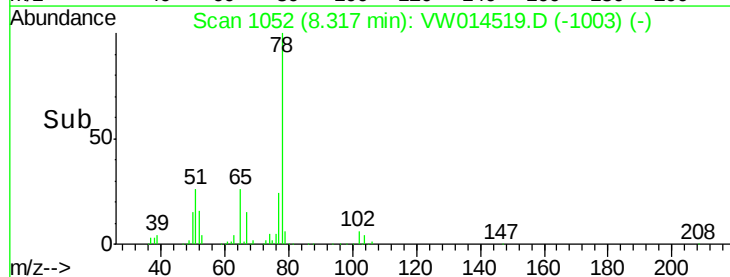
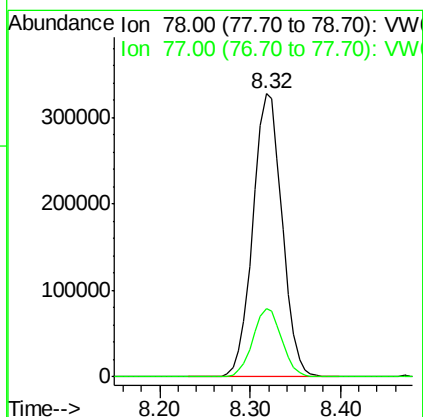
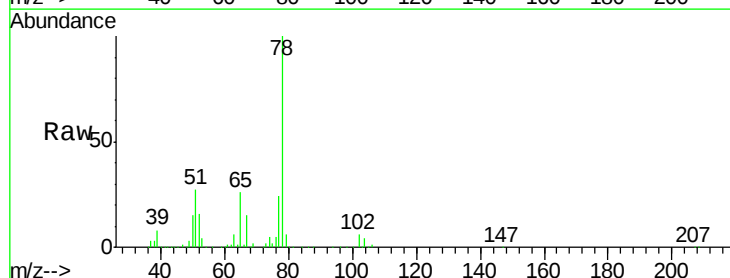
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

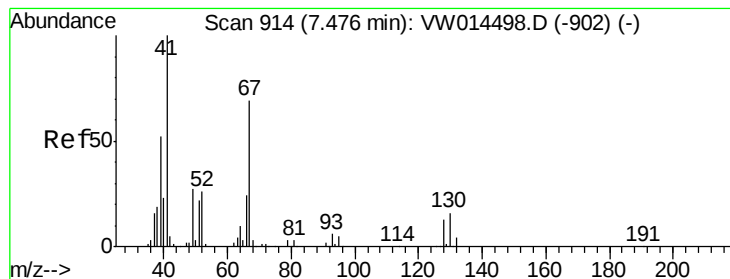
Tgt Ion: 83 Resp: 324044
Ion Ratio Lower Upper
83 100
55 80.8 60.1 90.1
98 48.2 38.8 58.2



#40
Benzene
Concen: 20.558 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 78 Resp: 730855
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9





#41

Methacrylonitrile

Concen: 18.294 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

Tgt Ion: 41 Resp: 58112

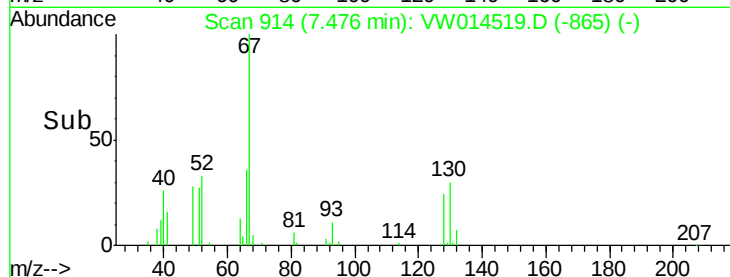
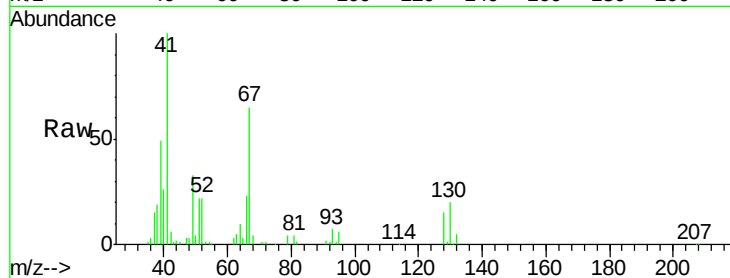
Ion Ratio Lower Upper

41 100

39 52.1 46.0 69.0

67 74.7 60.8 91.2

52 29.0 23.7 35.5

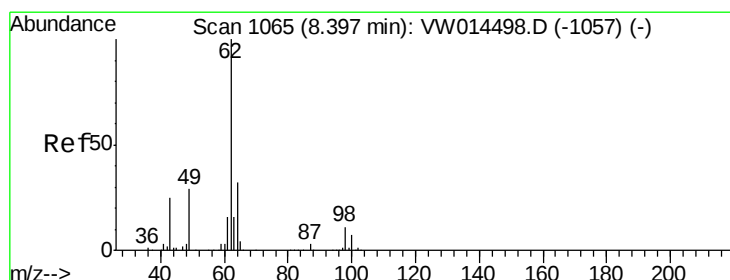
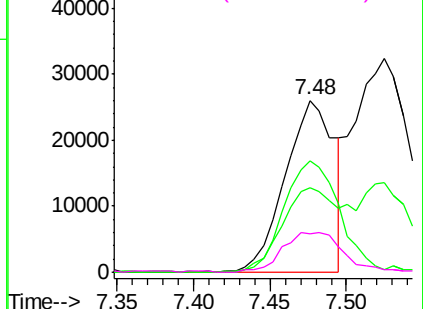


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.283 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014519.D

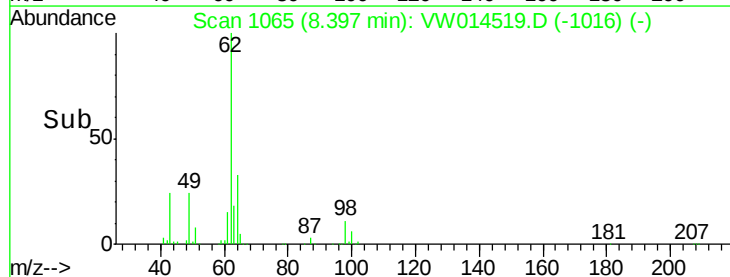
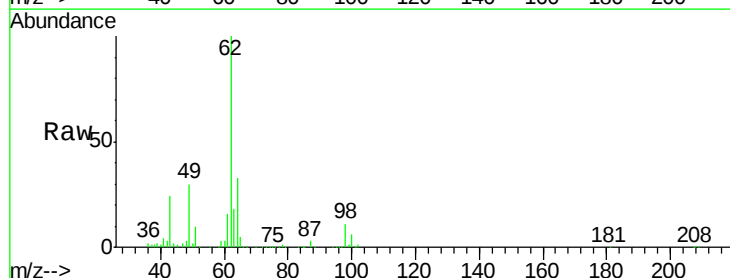
Acq: 06 Jan 2020 13:18

Tgt Ion: 62 Resp: 187125

Ion Ratio Lower Upper

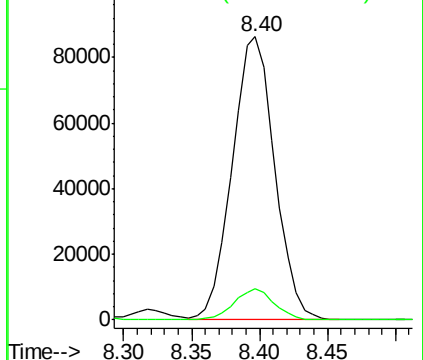
62 100

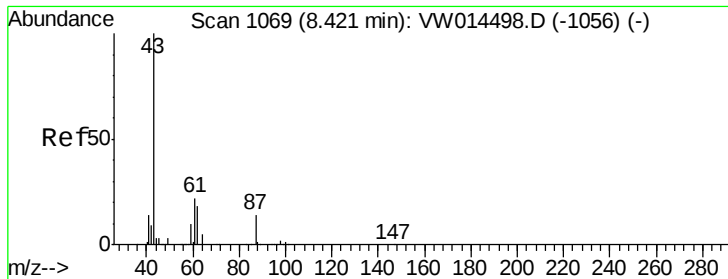
98 10.5 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.367 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

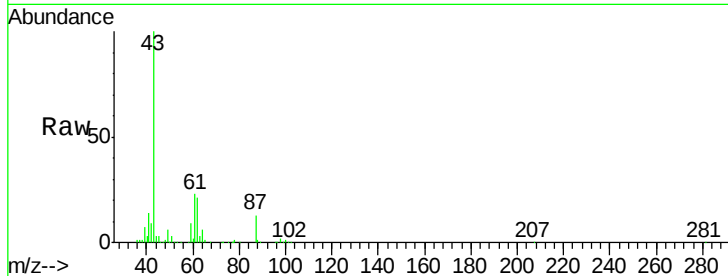
Tgt Ion: 43 Resp: 190062

Ion Ratio Lower Upper

43 100

61 31.0 24.7 37.1

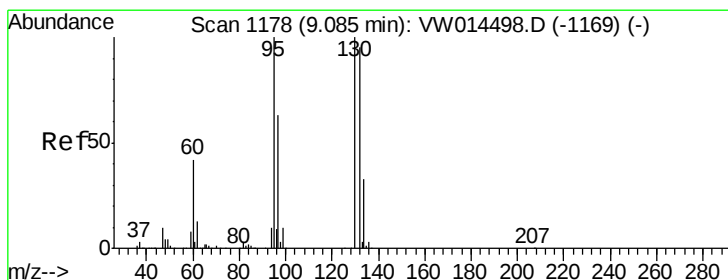
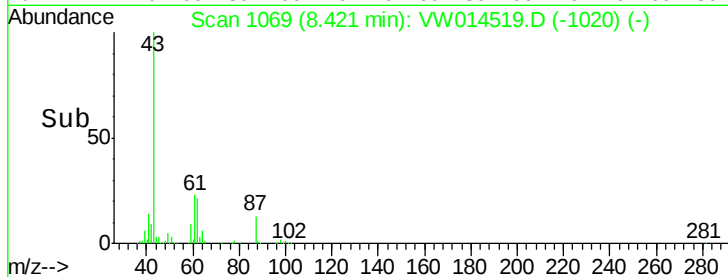
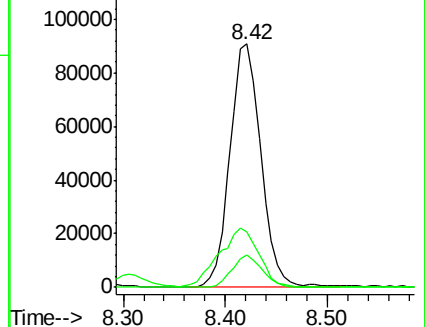
87 13.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.909 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014519.D

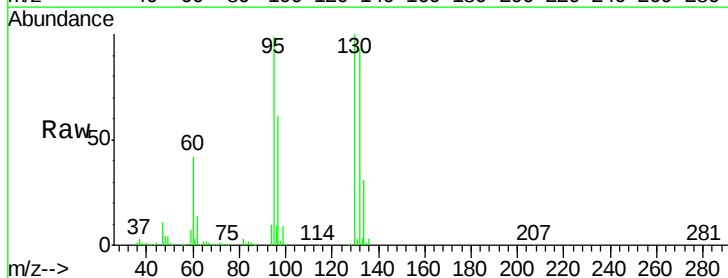
Acq: 06 Jan 2020 13:18

Tgt Ion: 130 Resp: 191519

Ion Ratio Lower Upper

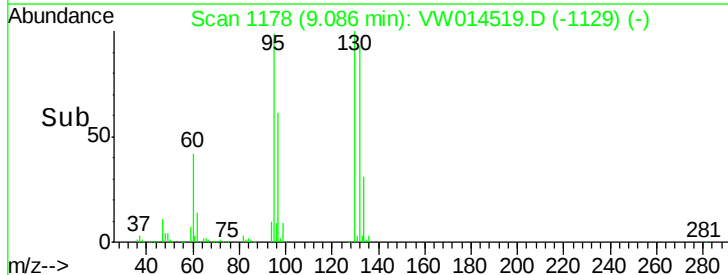
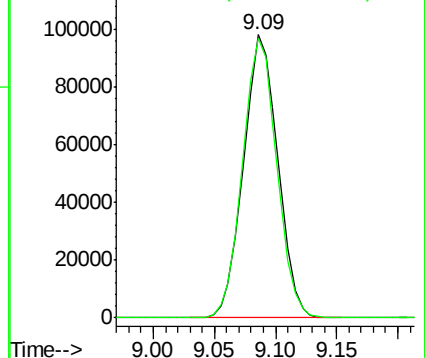
130 100

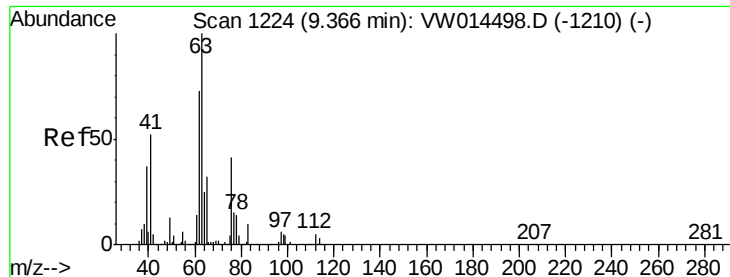
95 98.7 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.300 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

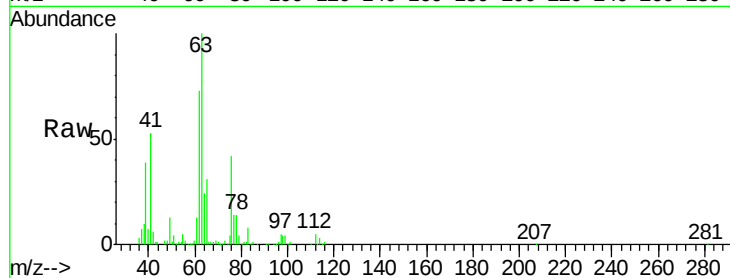
VW0106SBS01

Tgt Ion: 63 Resp: 177098

Ion Ratio Lower Upper

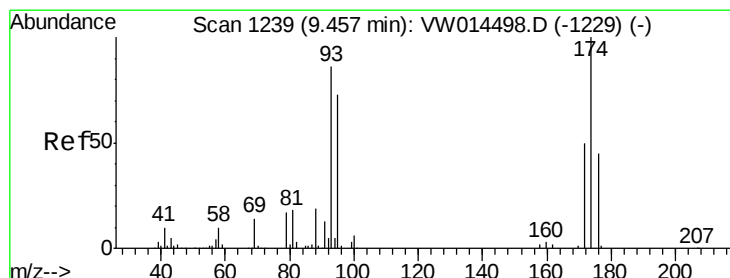
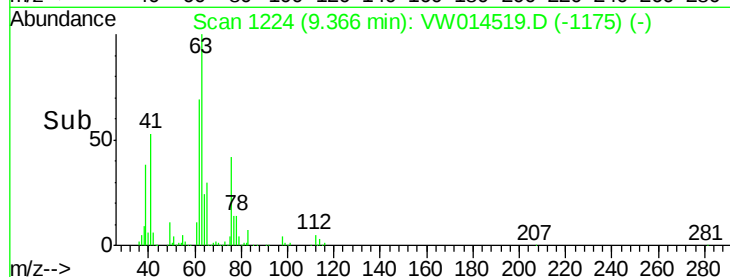
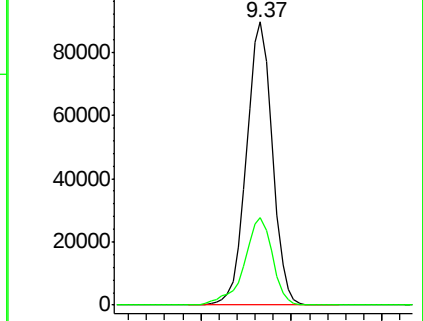
63 100

65 30.8 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.230 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

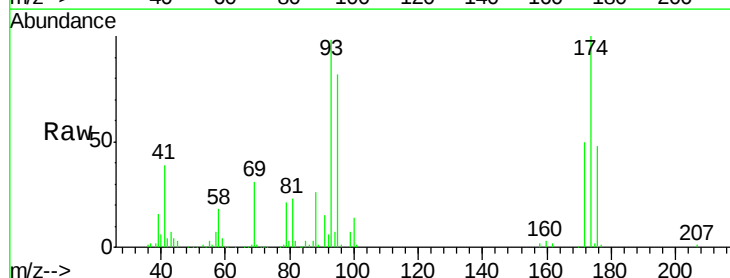
Tgt Ion: 93 Resp: 82817

Ion Ratio Lower Upper

93 100

95 84.7 66.4 99.6

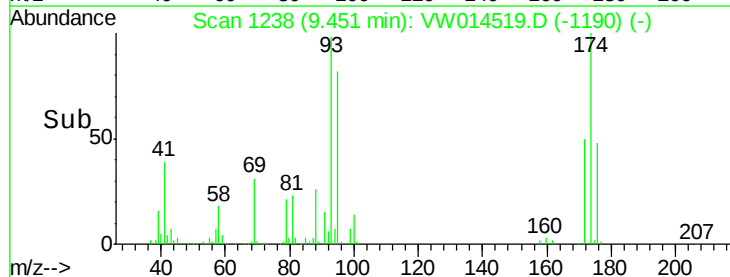
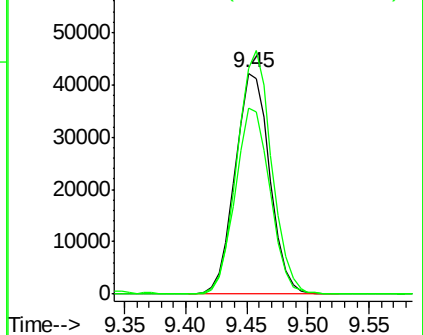
174 109.9 89.1 133.7

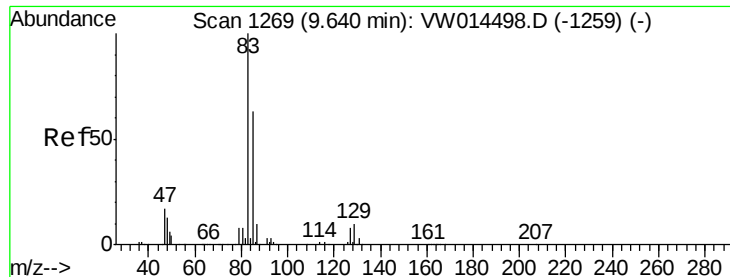


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.204 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

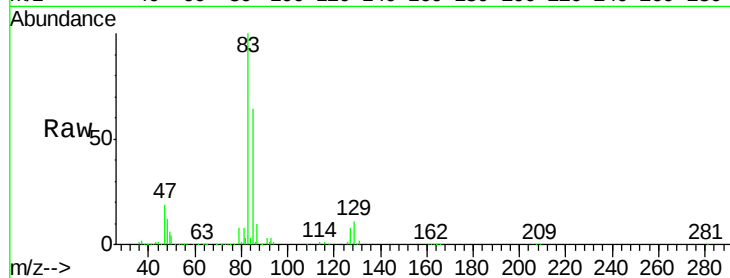
Tgt Ion: 83 Resp: 214820

Ion Ratio Lower Upper

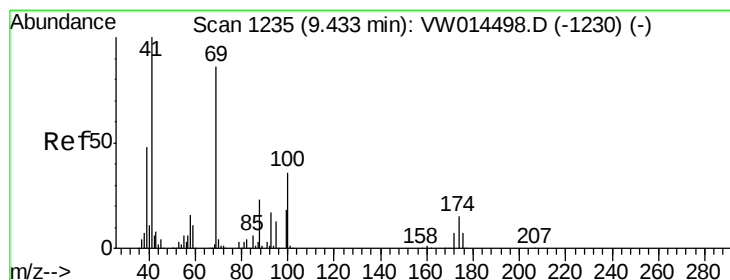
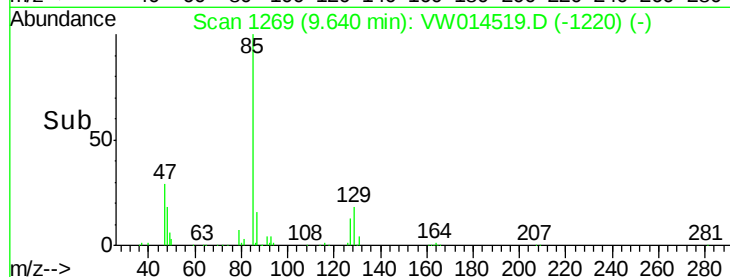
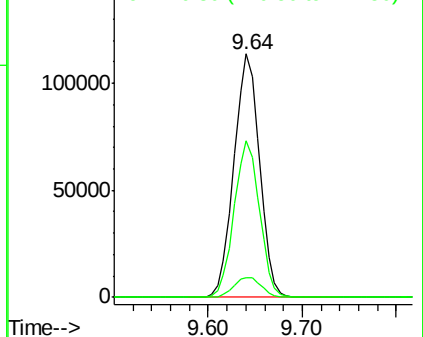
83 100

85 64.5 50.6 76.0

127 8.1 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.835 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

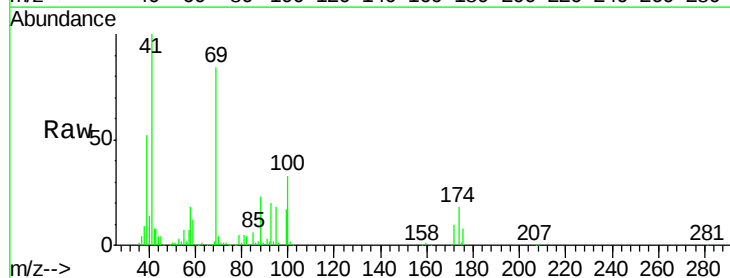
Tgt Ion: 41 Resp: 85056

Ion Ratio Lower Upper

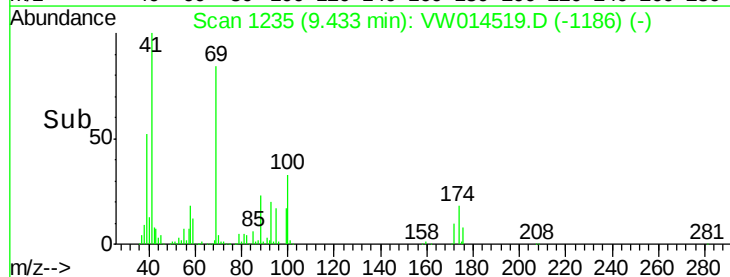
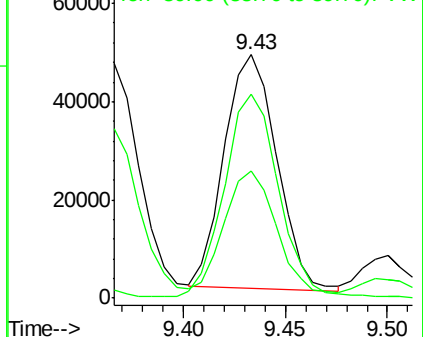
41 100

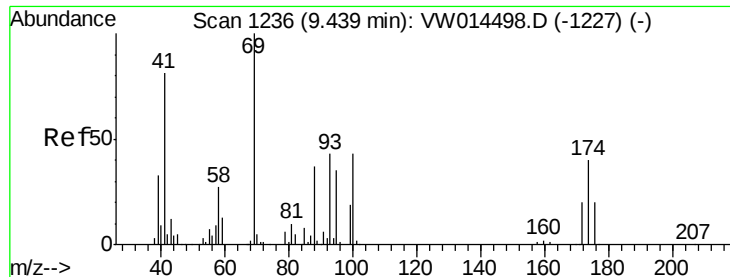
69 91.2 68.3 102.5

39 50.4 36.8 55.2



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 372.166 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

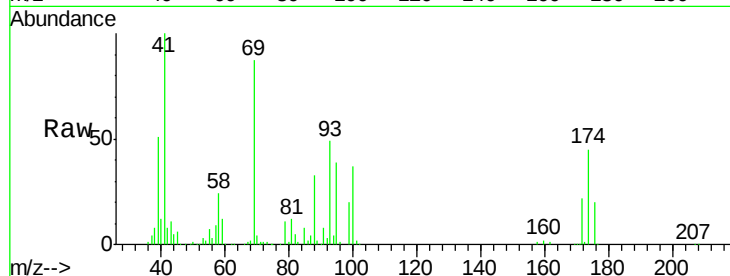
Tgt Ion: 88 Resp: 29978

Ion Ratio Lower Upper

88 100

43 30.7 24.9 37.3

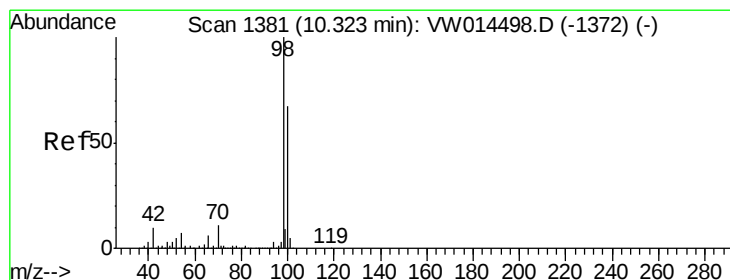
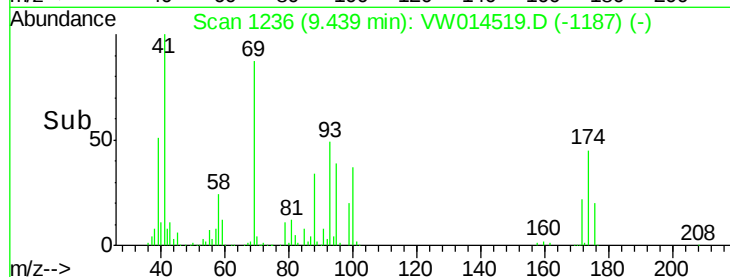
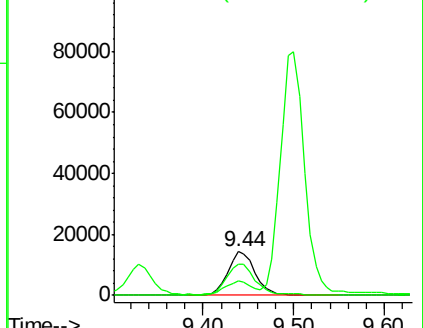
58 74.5 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.874 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014519.D

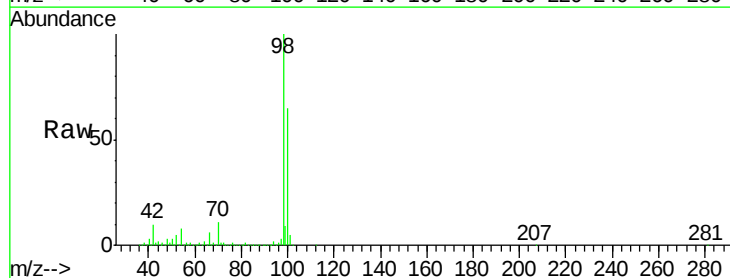
Acq: 06 Jan 2020 13:18

Tgt Ion: 98 Resp: 1519310

Ion Ratio Lower Upper

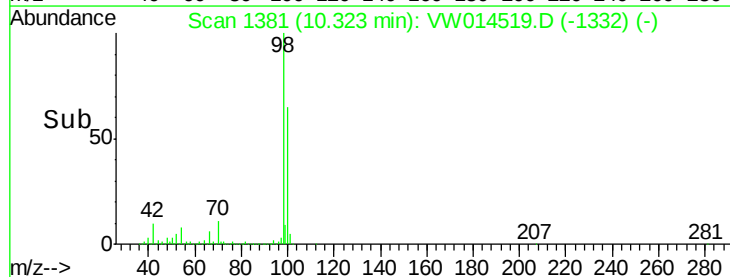
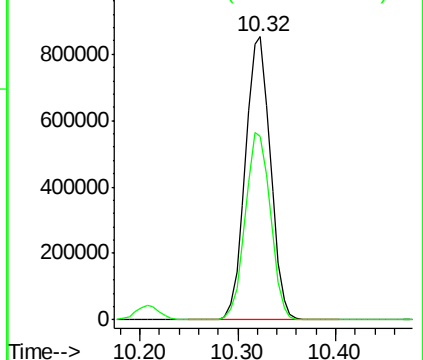
98 100

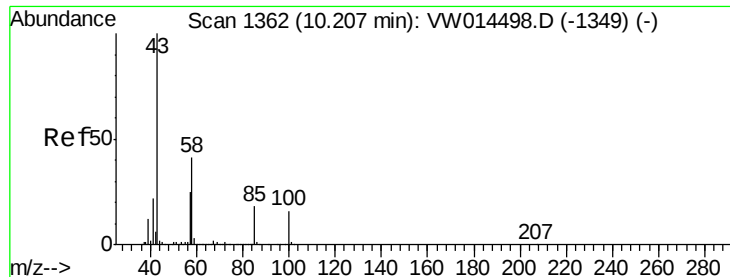
100 66.2 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

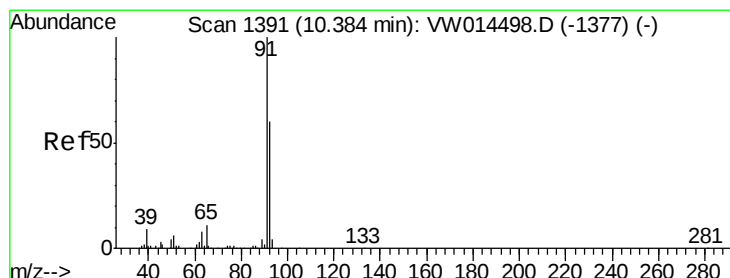
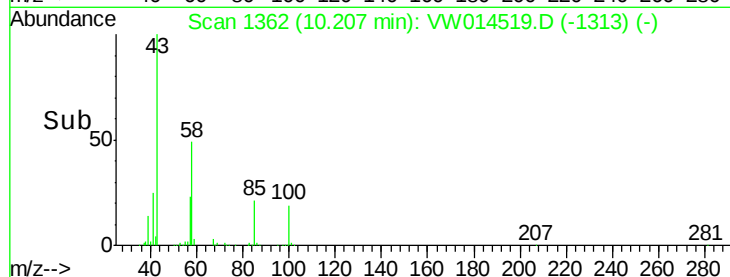
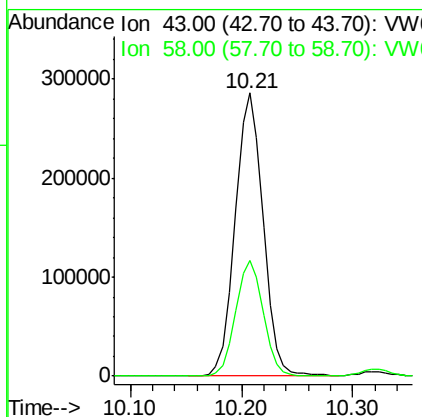
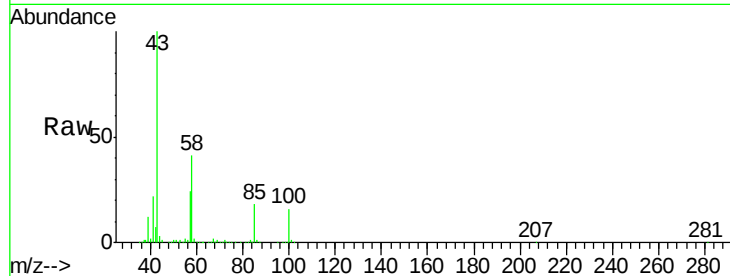




#51
4-Methyl-2-Pentanone
Concen: 92.255 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

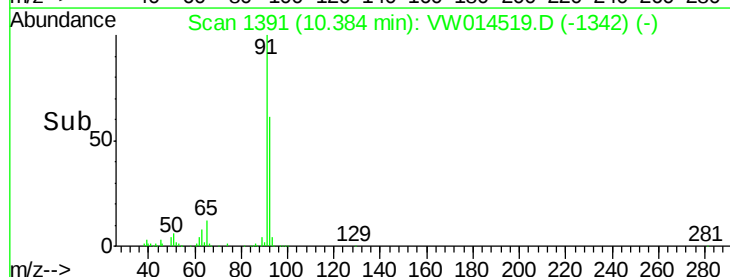
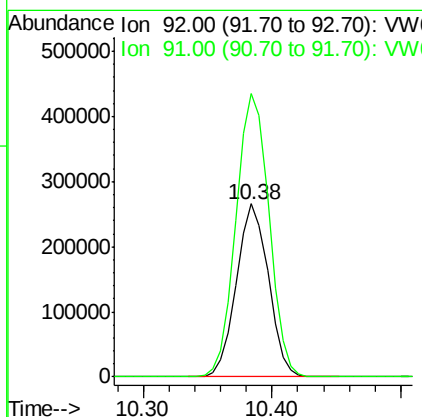
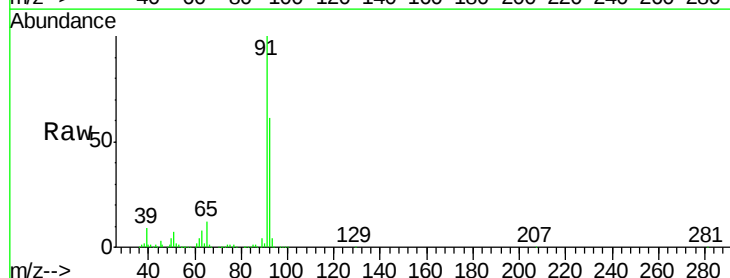
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

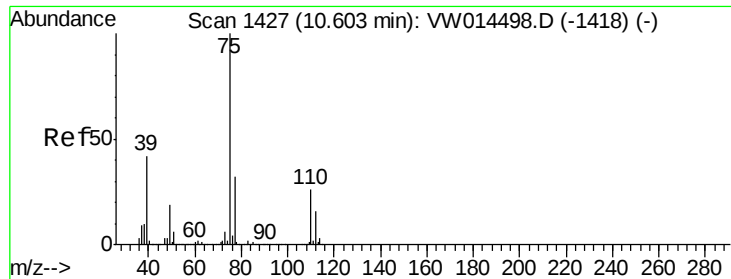
Tgt Ion: 43 Resp: 495759
Ion Ratio Lower Upper
43 100
58 40.5 32.7 49.1



#52
Toluene
Concen: 20.461 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 92 Resp: 457621
Ion Ratio Lower Upper
92 100
91 169.6 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 19.329 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

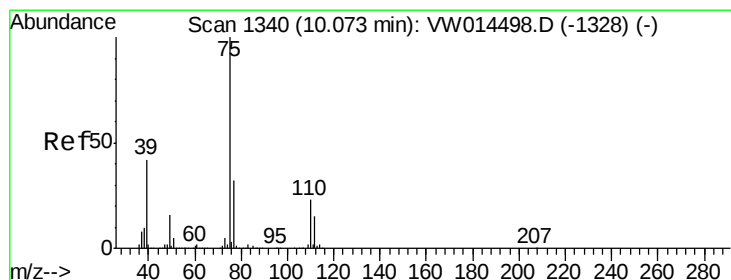
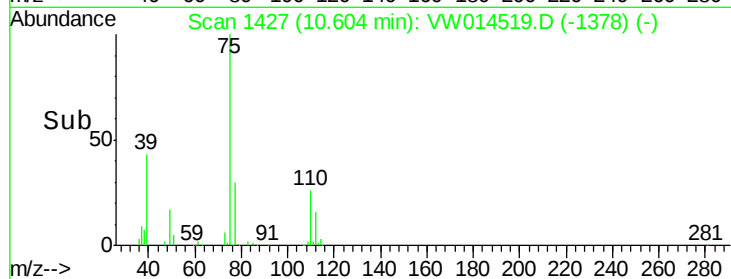
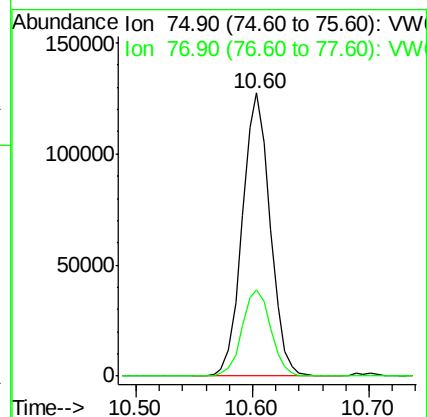
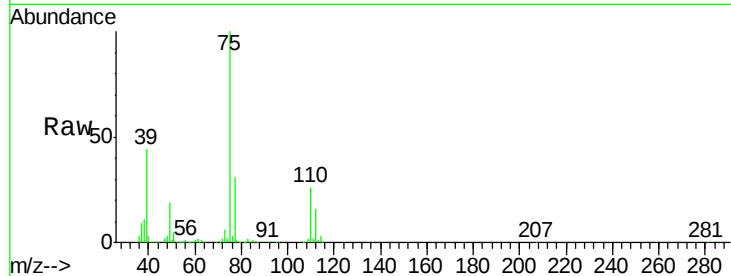
VW0106SBS01

Tgt Ion: 75 Resp: 212796

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.622 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

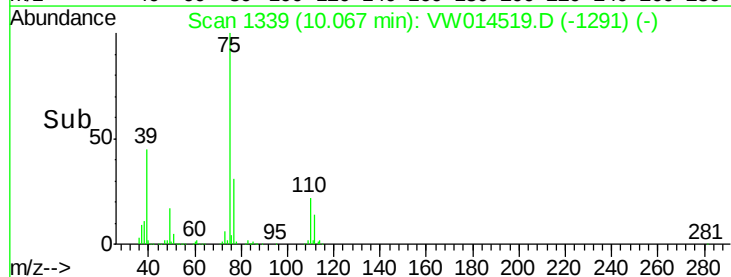
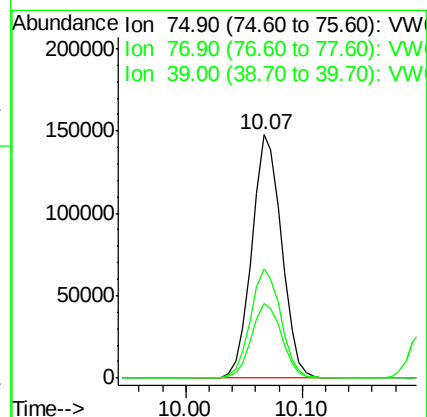
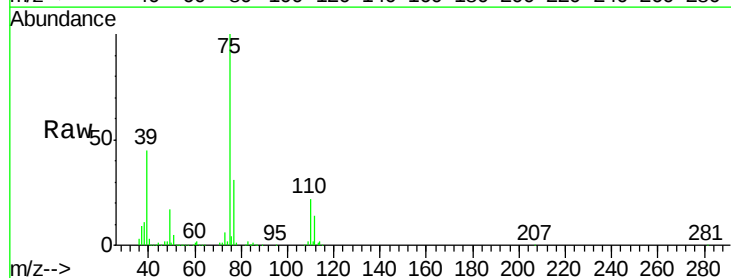
Tgt Ion: 75 Resp: 264011

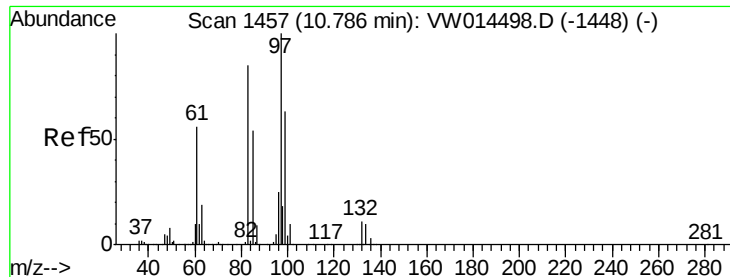
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 44.7 33.4 50.2

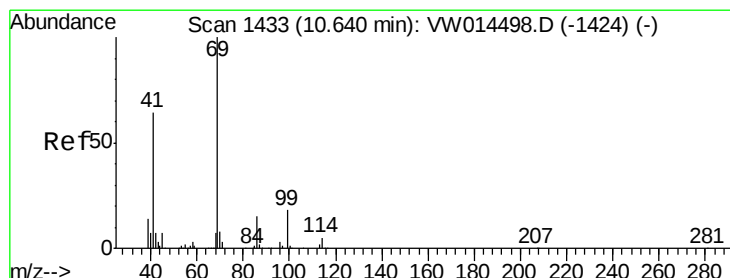
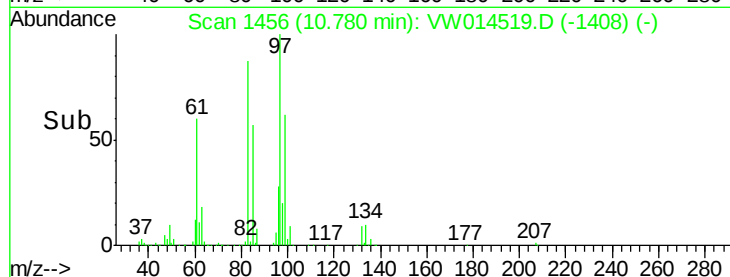
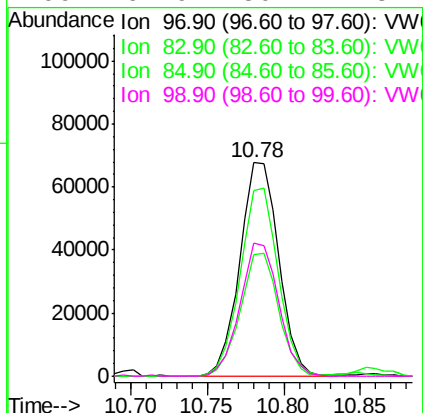
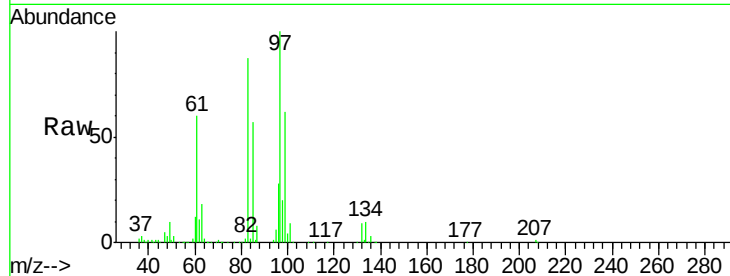




#55
 1,1,2-Trichloroethane
 Concen: 19.110 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

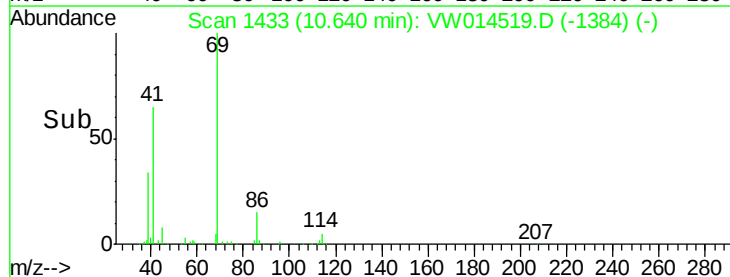
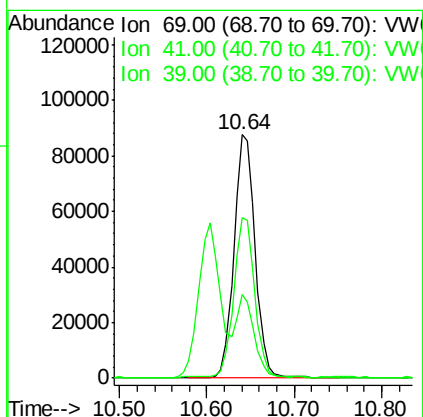
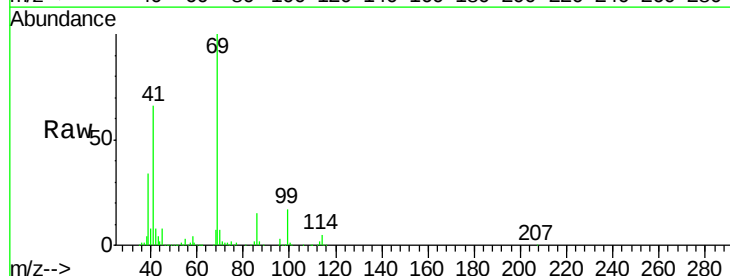
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

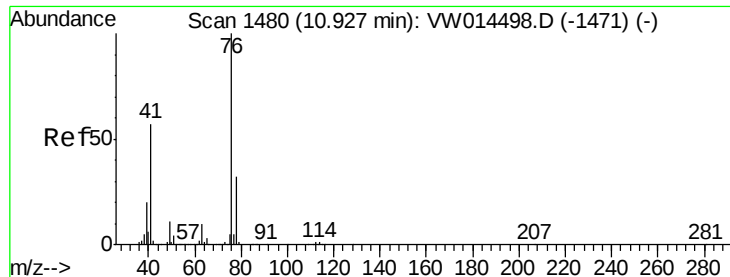
Tgt Ion:	97	Resp:	120197
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.2	102.4
85	57.2	43.0	64.4
99	61.9	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 18.193 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion:	69	Resp:	148717
Ion	Ratio	Lower	Upper
69	100		
41	64.3	51.3	76.9
39	27.8	21.0	31.6





#57

1,3-Dichloropropane

Concen: 19.333 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

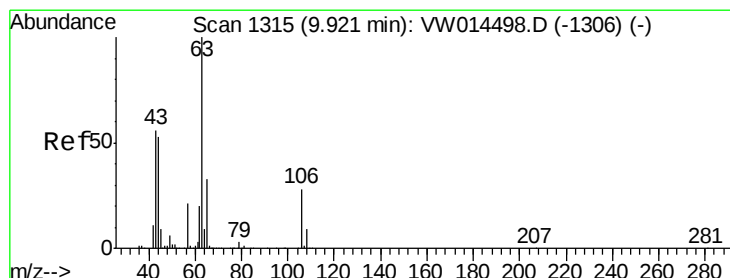
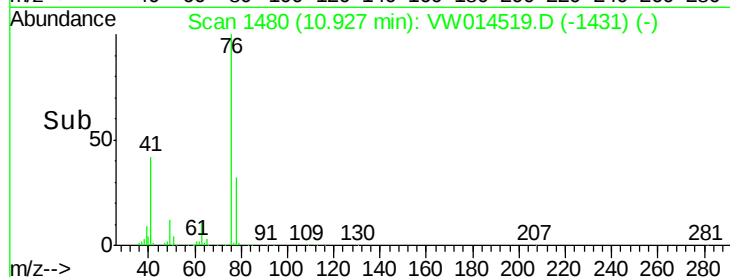
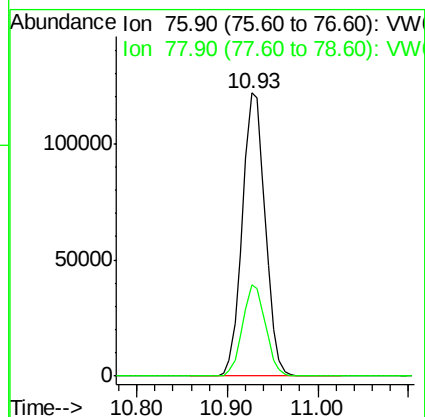
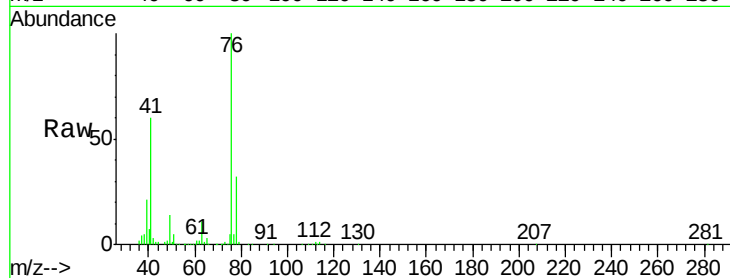
VW0106SBS01

Tgt Ion: 76 Resp: 213722

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 88.406 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014519.D

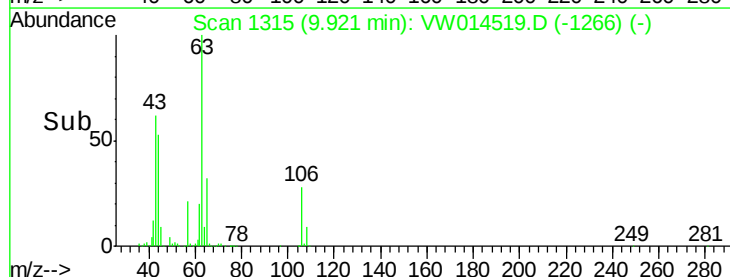
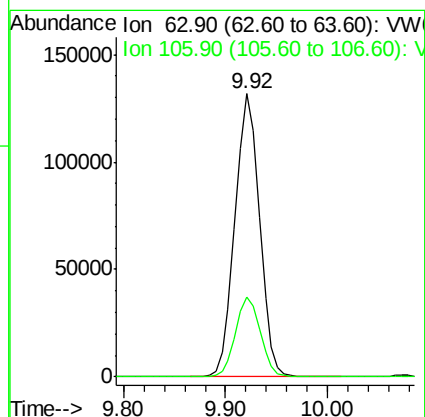
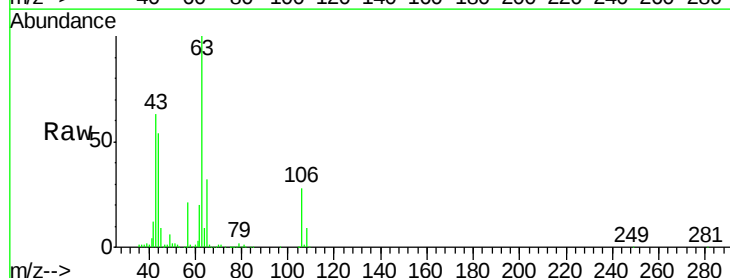
Acq: 06 Jan 2020 13:18

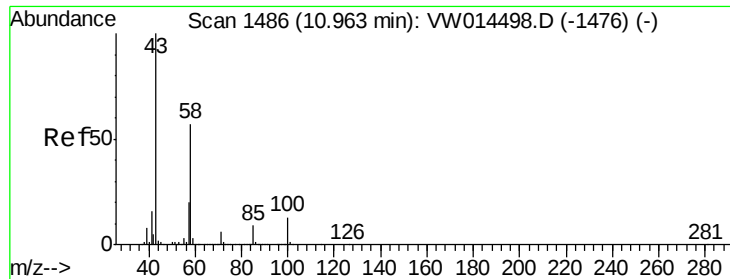
Tgt Ion: 63 Resp: 219783

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6

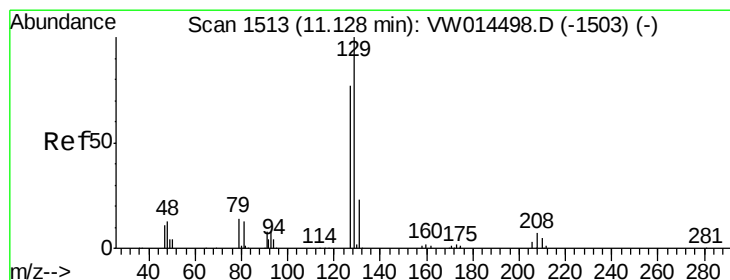
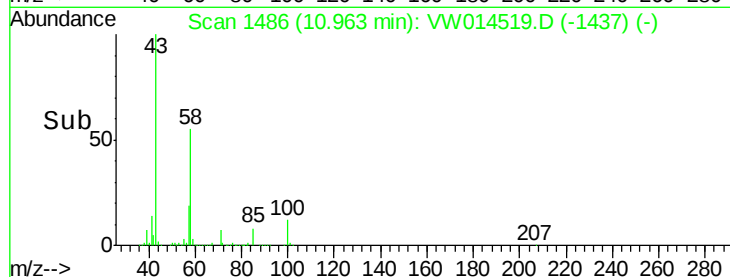
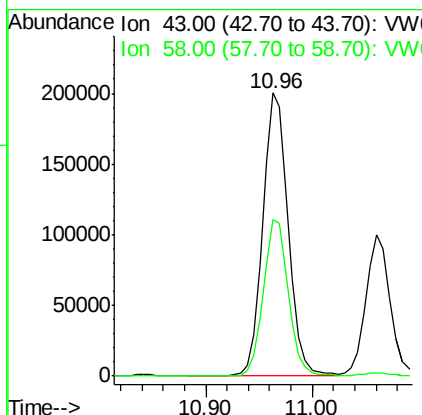
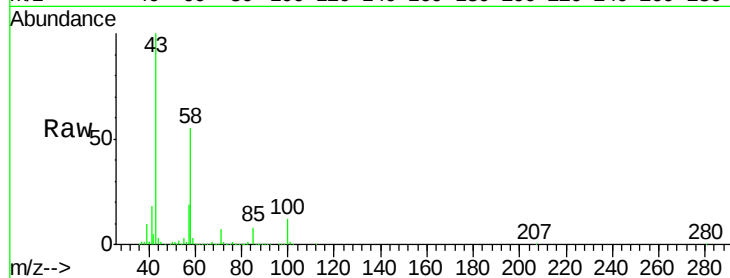




#59
2-Hexanone
Concen: 90.102 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

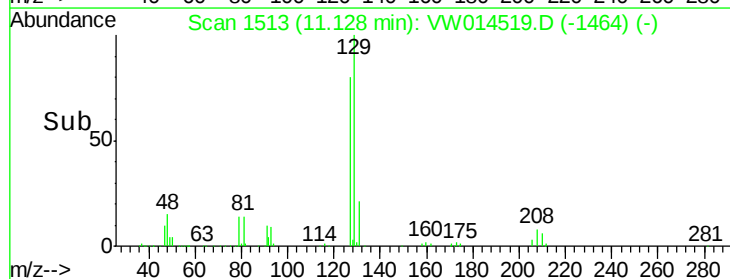
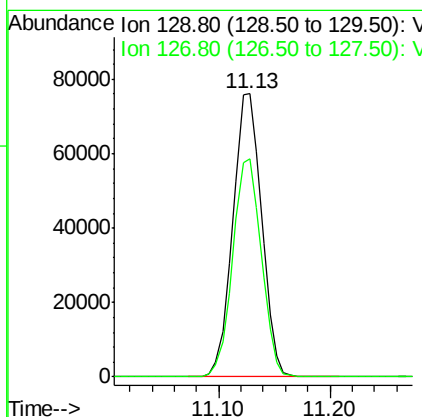
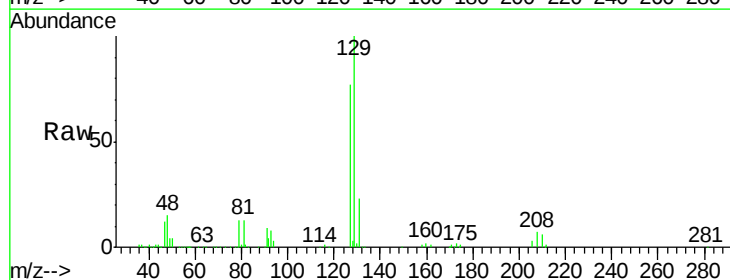
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

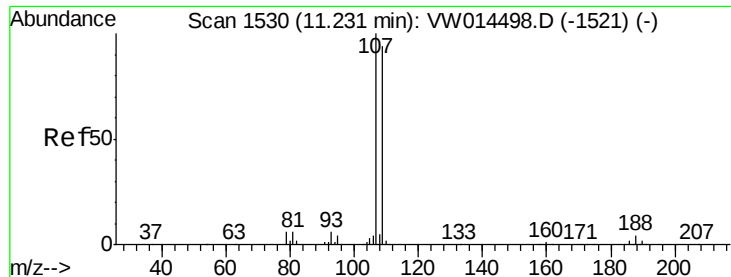
Tgt Ion: 43 Resp: 333651
Ion Ratio Lower Upper
43 100
58 54.7 28.7 86.3



#60
Dibromochloromethane
Concen: 19.224 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 129 Resp: 136431
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.5

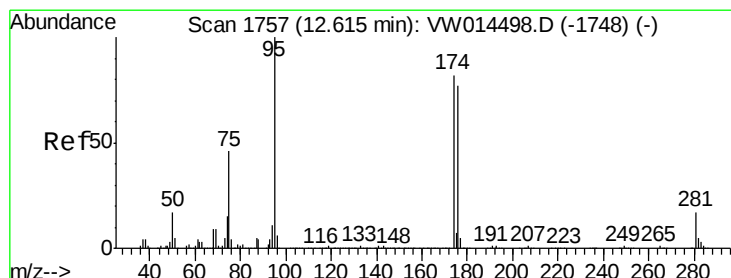
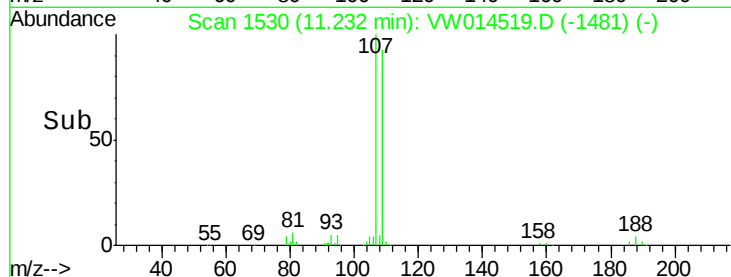
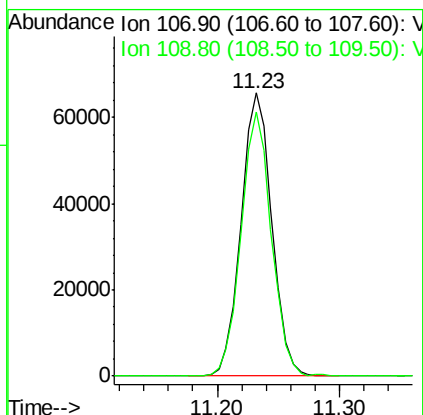
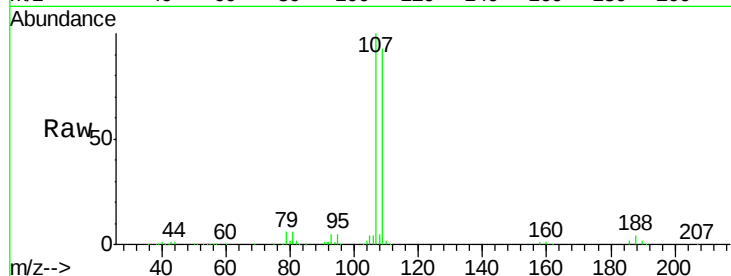




#61
 1,2-Dibromoethane
 Concen: 19.138 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

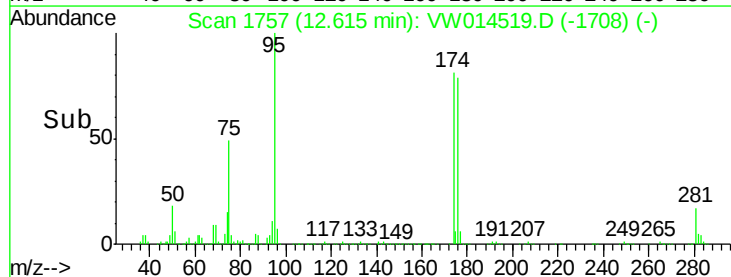
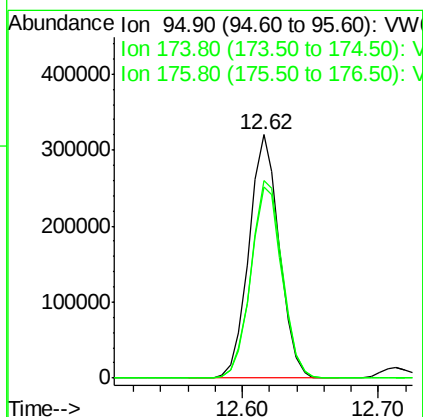
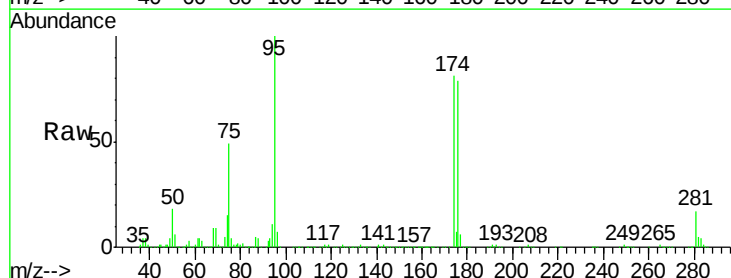
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

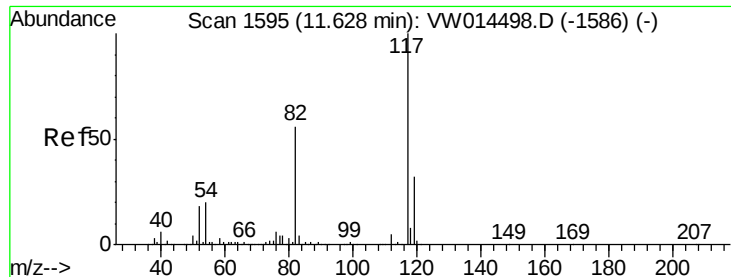
Tgt Ion: 107 Resp: 114261
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.410 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion: 95 Resp: 499897
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 168.6
 176 81.1 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

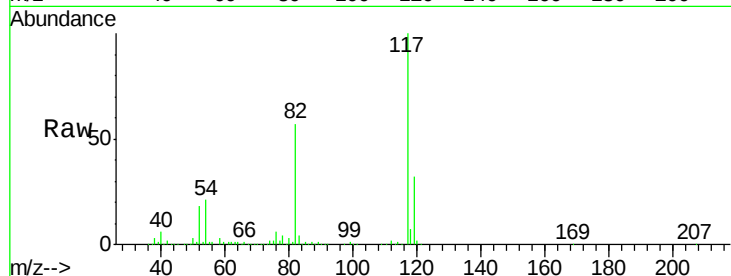
Tgt Ion:117 Resp: 1102751

Ion Ratio Lower Upper

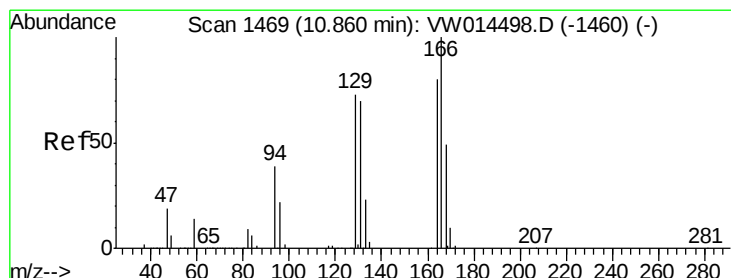
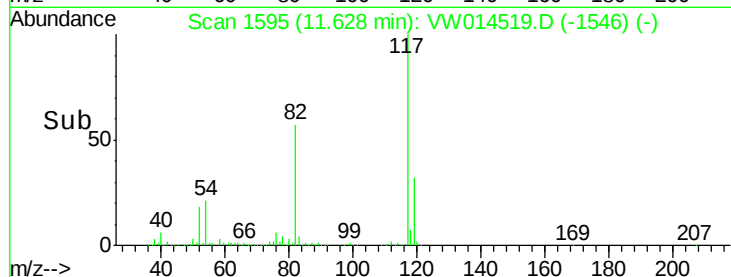
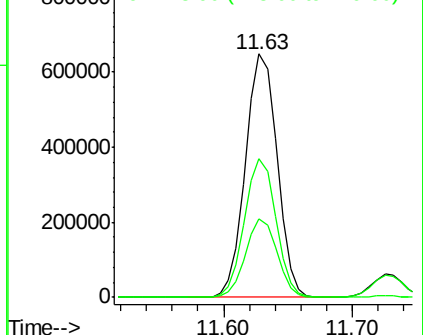
117 100

82 57.2 44.6 67.0

119 32.0 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.208 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Tgt Ion:164 Resp: 161335

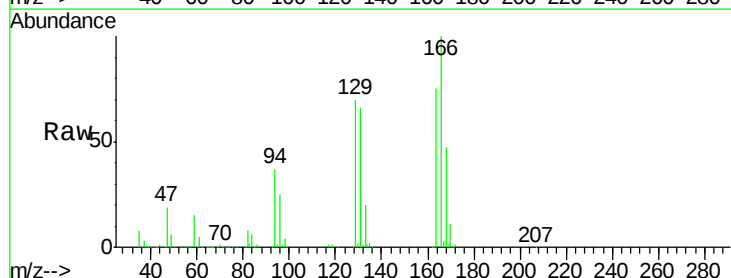
Ion Ratio Lower Upper

164 100

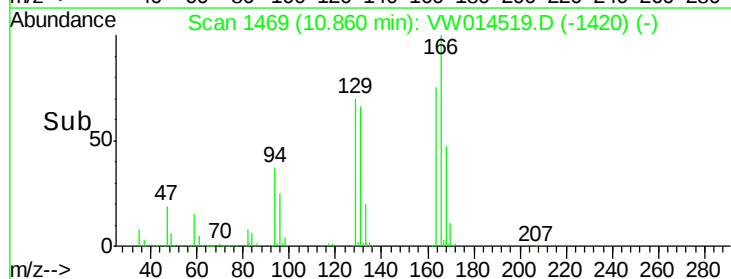
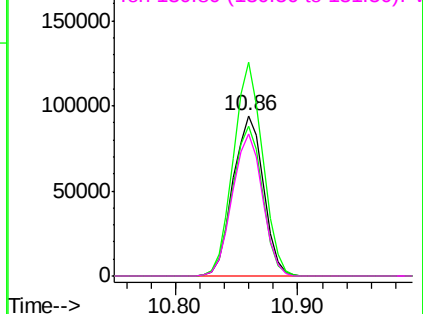
166 133.2 99.8 149.6

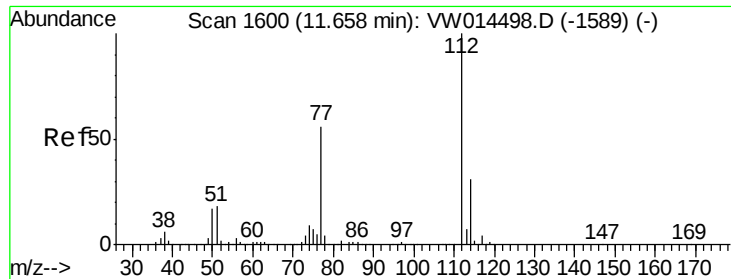
129 93.2 72.4 108.6

131 88.2 70.1 105.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.507 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

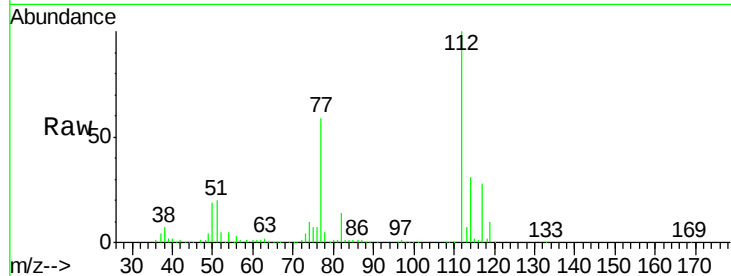
VW0106SBS01

Tgt Ion:112 Resp: 463290

Ion Ratio Lower Upper

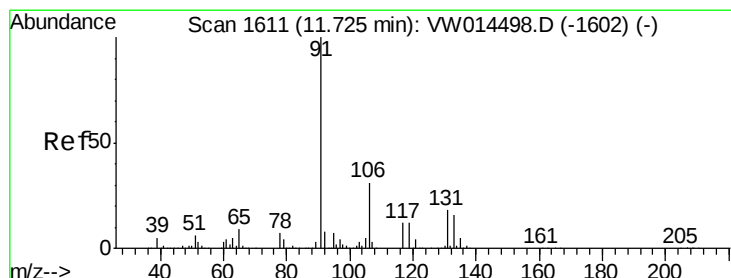
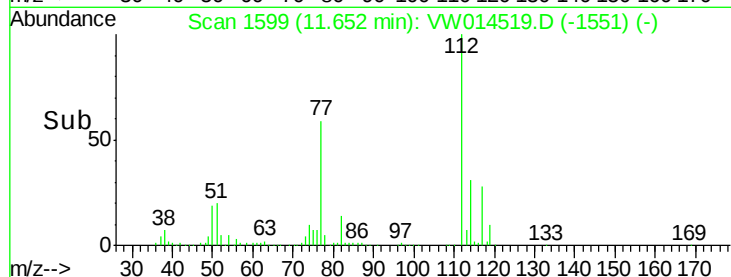
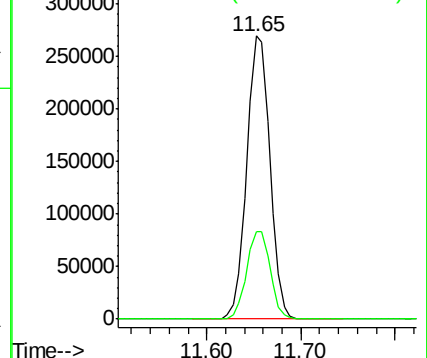
112 100

114 31.0 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.233 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

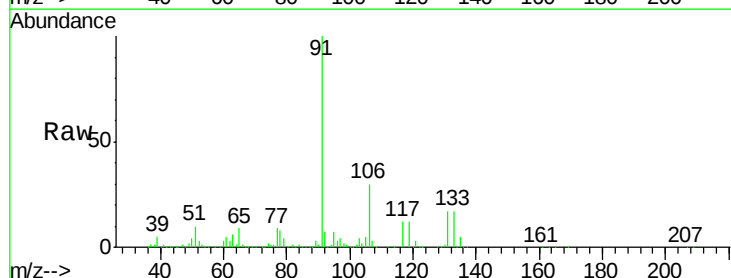
Tgt Ion:131 Resp: 153904

Ion Ratio Lower Upper

131 100

133 96.9 47.3 142.0

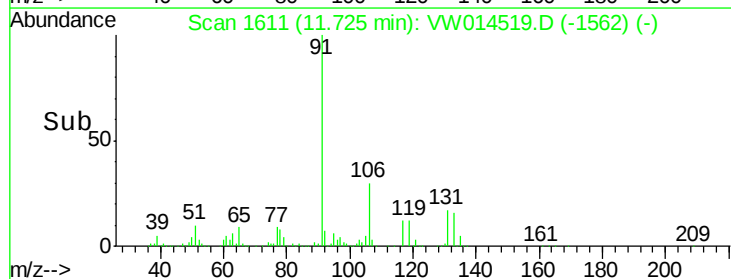
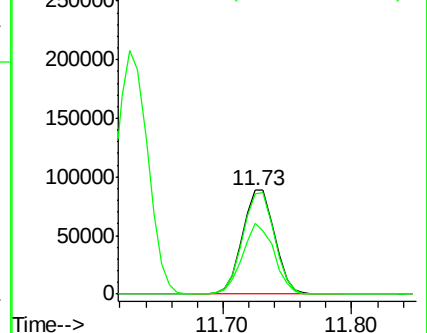
119 66.8 33.1 99.3

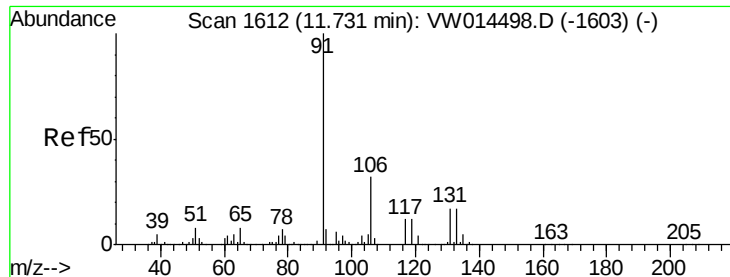


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

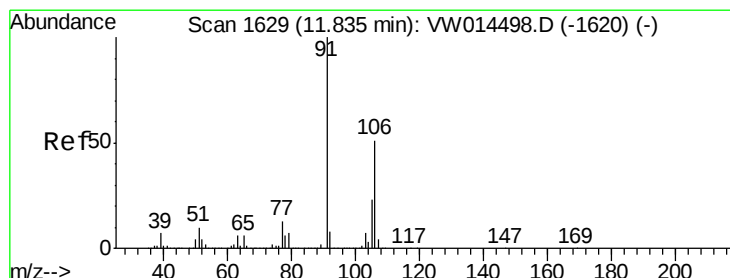
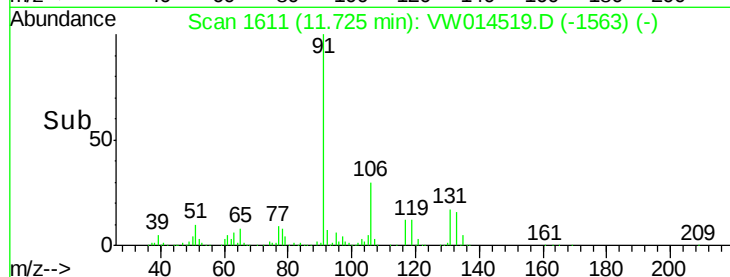
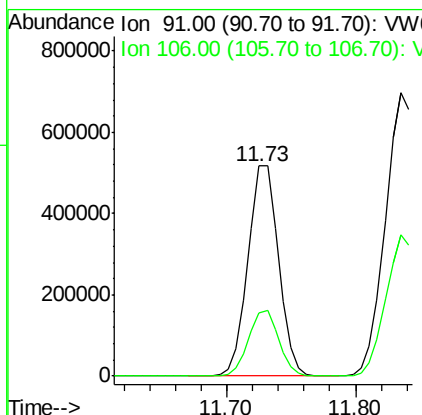
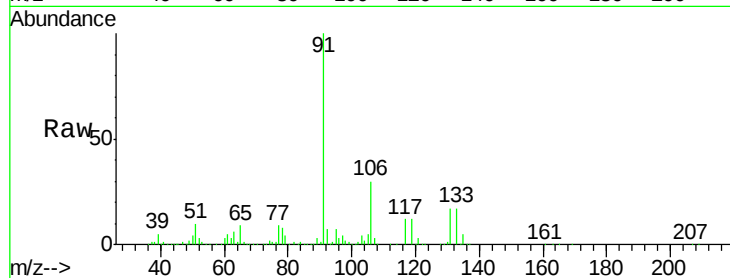




#67
Ethyl Benzene
Concen: 20.886 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

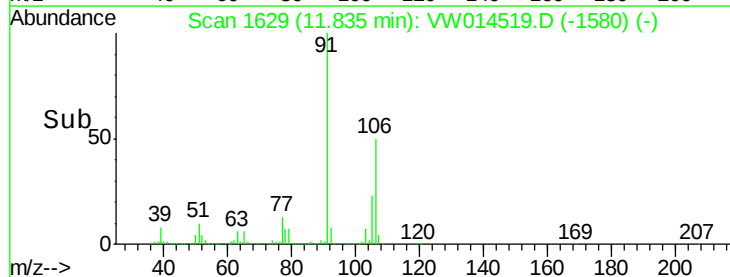
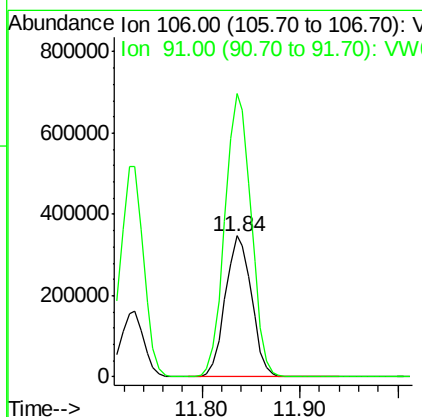
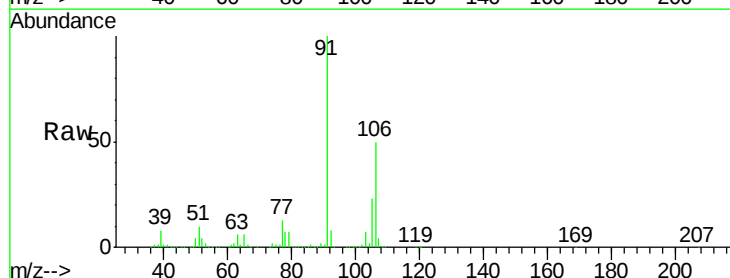
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion: 91 Resp: 850358
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3



#68
m/p-Xylenes
Concen: 41.411 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion: 106 Resp: 645283
Ion Ratio Lower Upper
106 100
91 201.0 159.0 238.6

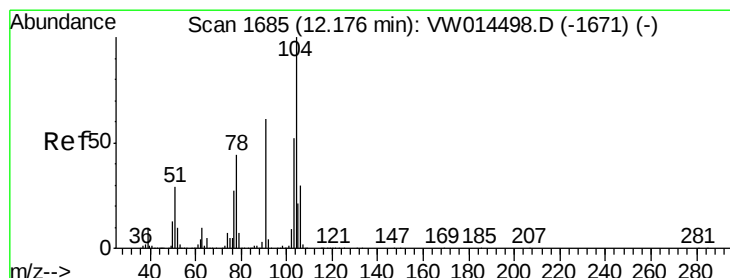
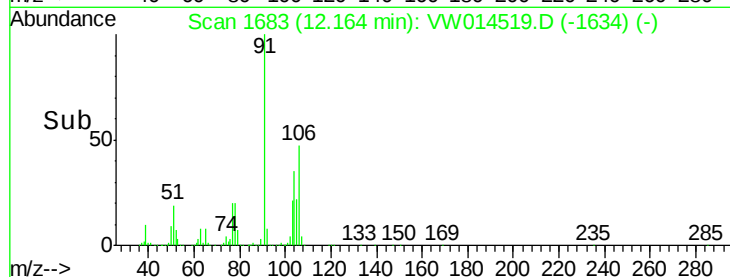
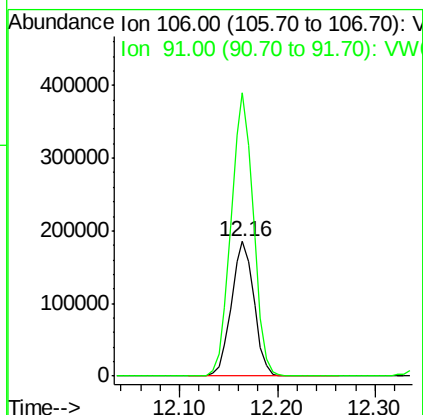
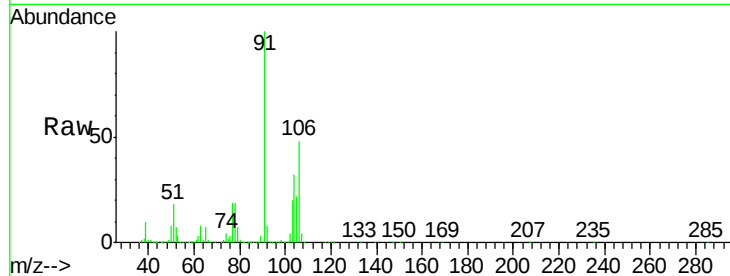




#69
o-Xylene
Concen: 20.578 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

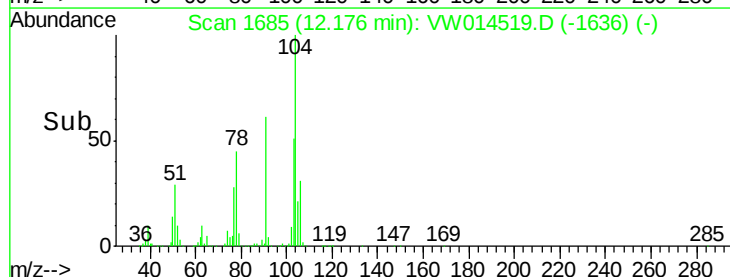
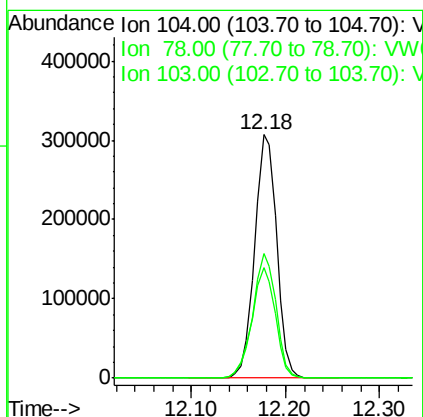
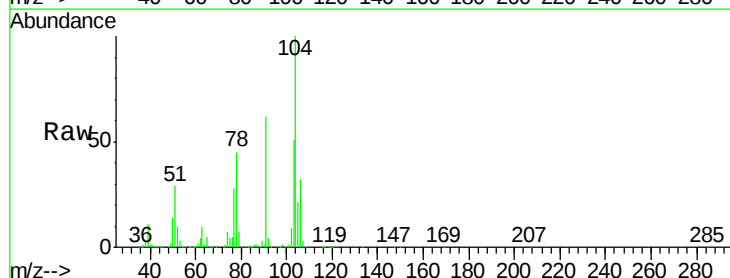
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion:106 Resp: 296186
Ion Ratio Lower Upper
106 100
91 207.9 105.2 315.6



#70
Styrene
Concen: 20.680 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion:104 Resp: 503458
Ion Ratio Lower Upper
104 100
78 48.3 38.4 57.6
103 53.9 43.7 65.5





#71

Bromoform

Concen: 18.648 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

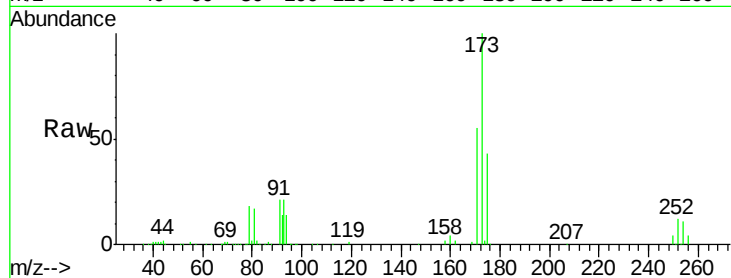
Tgt Ion:173 Resp: 77374

Ion Ratio Lower Upper

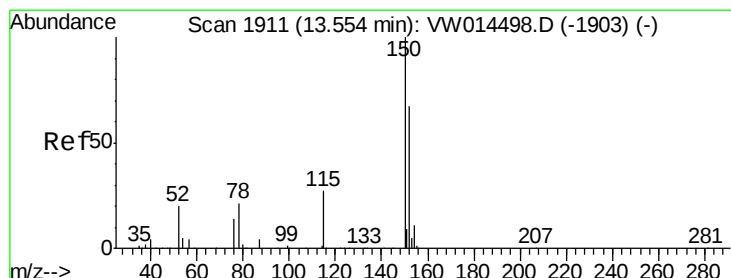
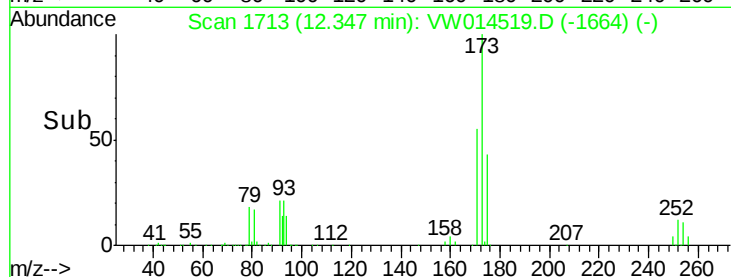
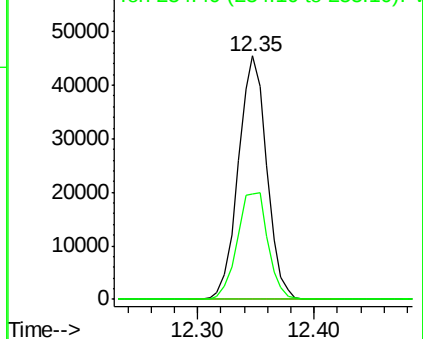
173 100

175 47.6 24.5 73.5

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

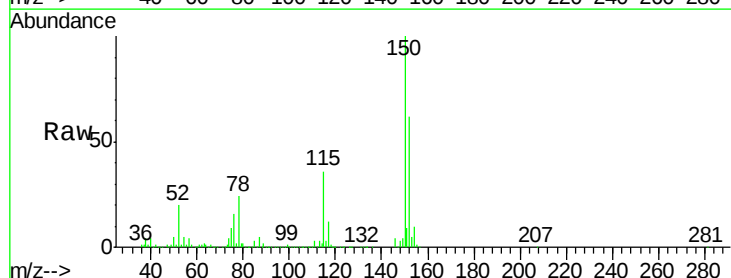
Tgt Ion:152 Resp: 544078

Ion Ratio Lower Upper

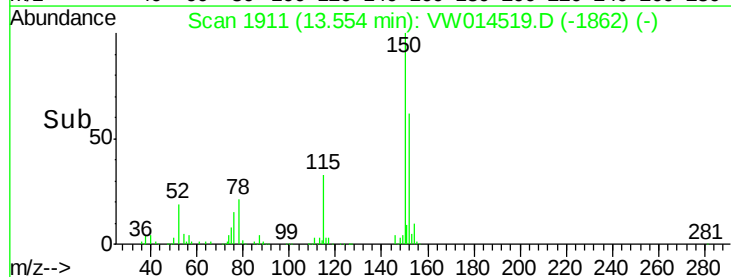
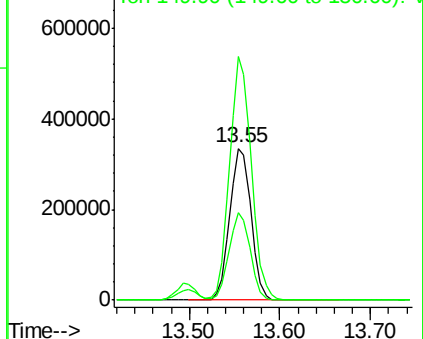
152 100

115 56.7 27.7 83.1

150 163.9 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.402 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

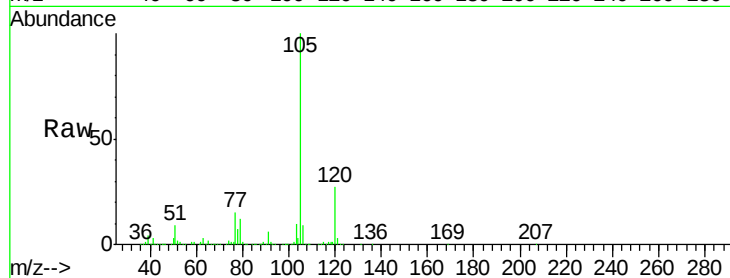
VW0106SBS01

Tgt Ion: 105 Resp: 814499

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

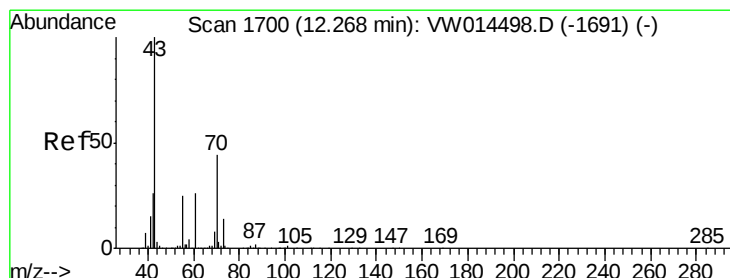
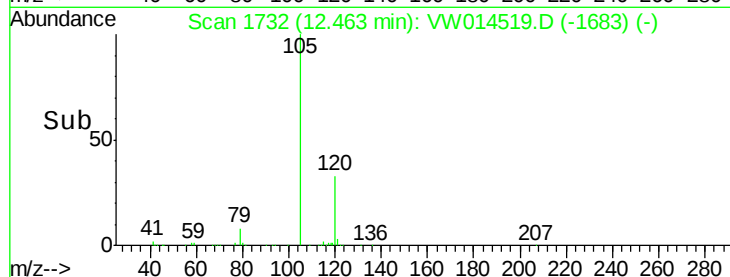
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.826 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Tgt Ion: 43 Resp: 168513

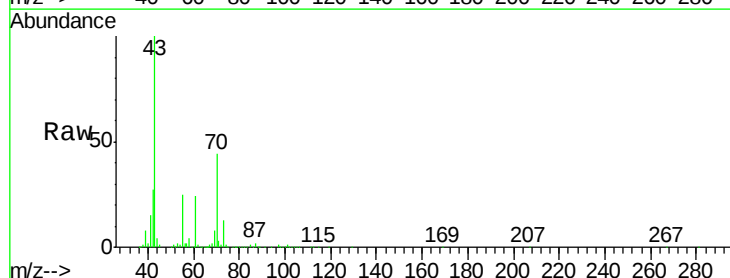
Ion Ratio Lower Upper

43 100

70 43.9 36.5 54.7

55 26.4 20.9 31.3

61 24.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

150000

100000

50000

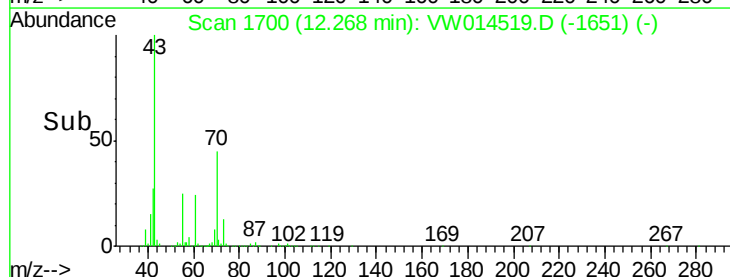
0

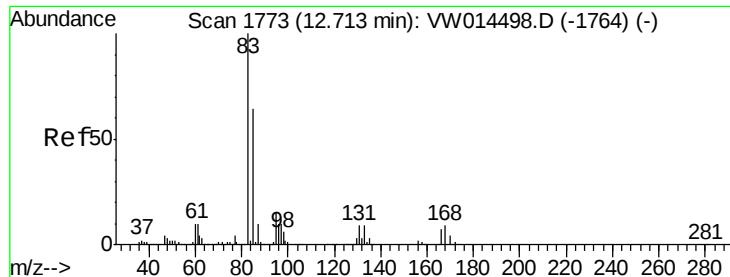
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.013 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

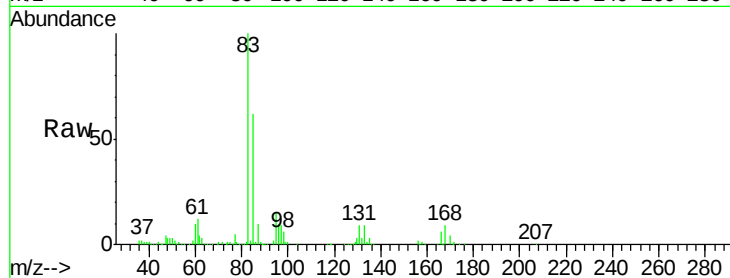
Tgt Ion: 83 Resp: 137002

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

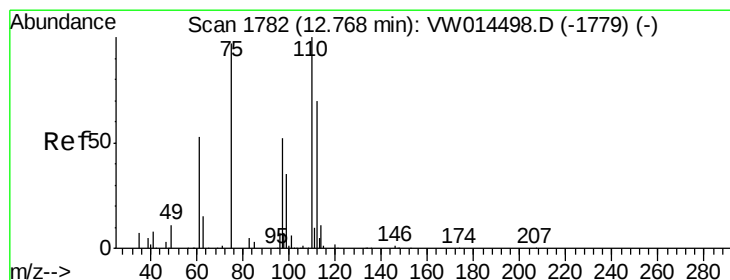
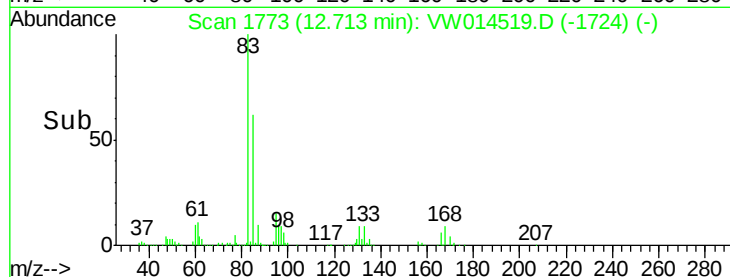
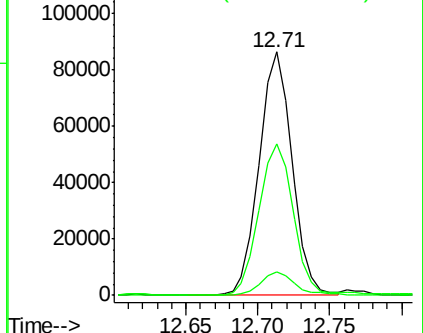
85 64.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 33.440 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014519.D

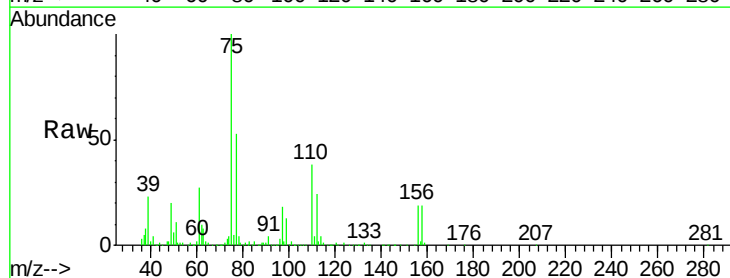
Acq: 06 Jan 2020 13:18

Tgt Ion: 75 Resp: 172019

Ion Ratio Lower Upper

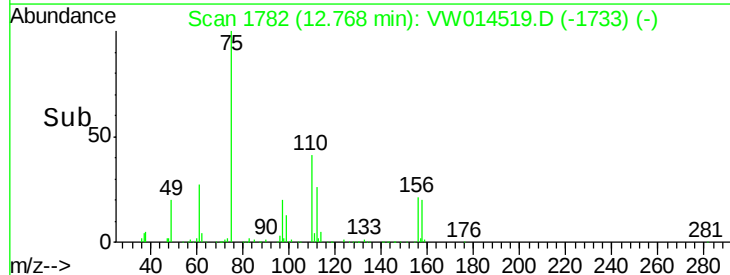
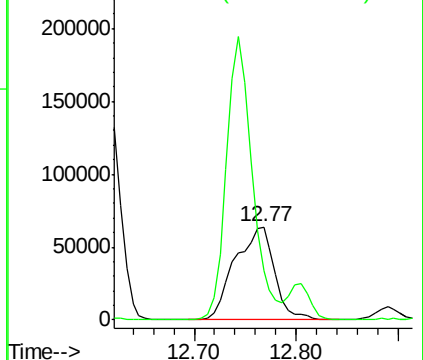
75 100

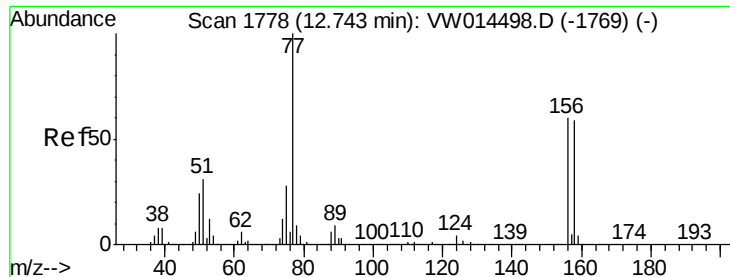
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.454 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampled :

VW0106SBS01

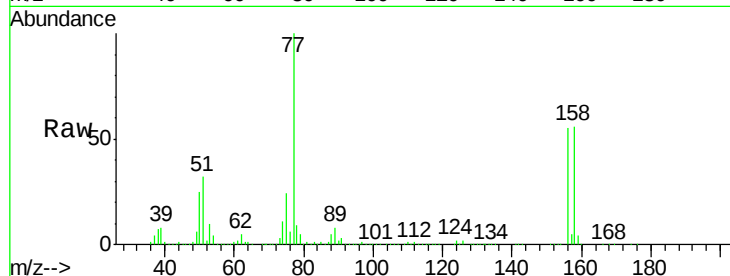
Tgt Ion: 156 Resp: 180382

Ion Ratio Lower Upper

156 100

77 190.9 92.3 277.1

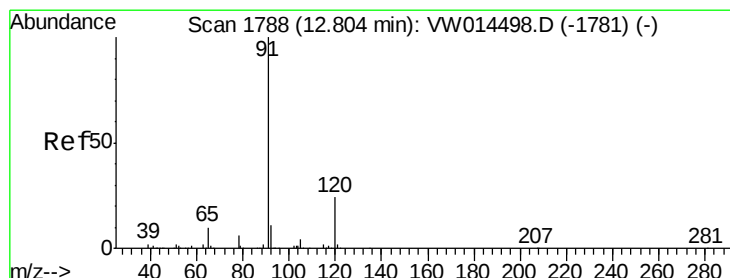
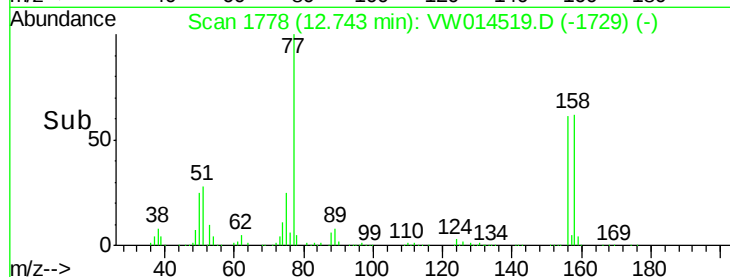
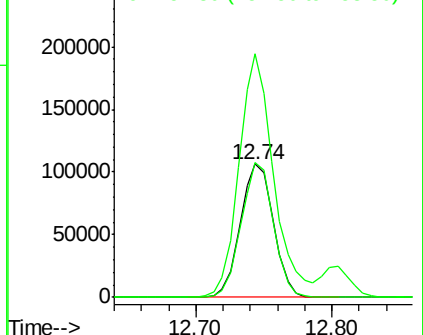
158 98.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.990 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014519.D

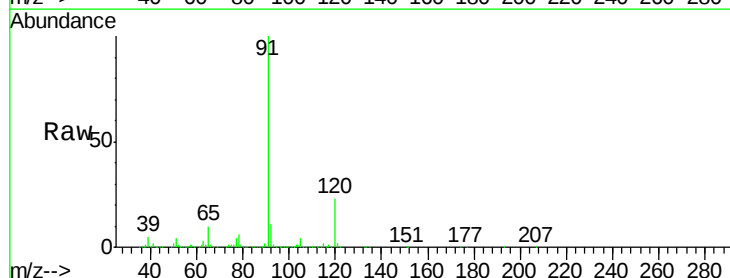
Acq: 06 Jan 2020 13:18

Tgt Ion: 91 Resp: 985341

Ion Ratio Lower Upper

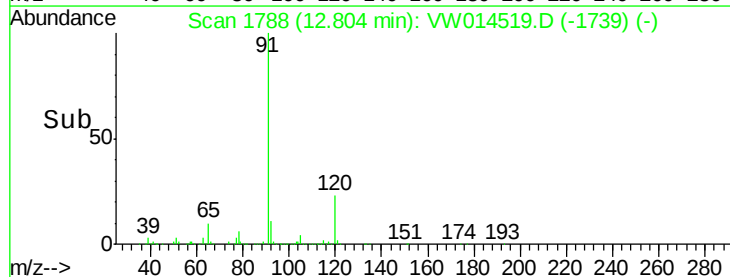
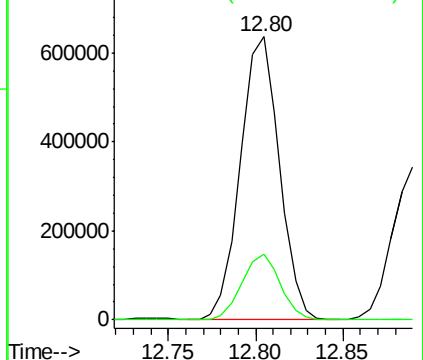
91 100

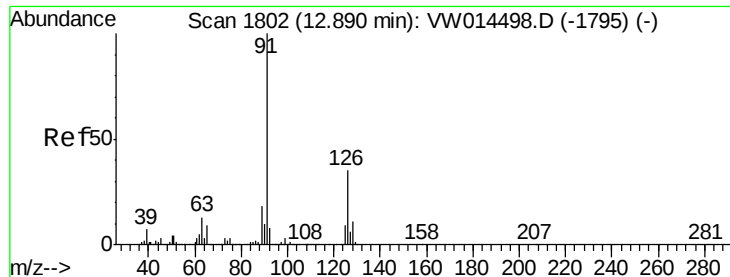
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.667 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

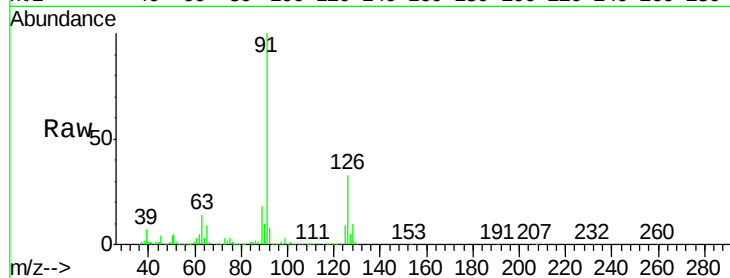
VW0106SBS01

Tgt Ion: 91 Resp: 552099

Ion Ratio Lower Upper

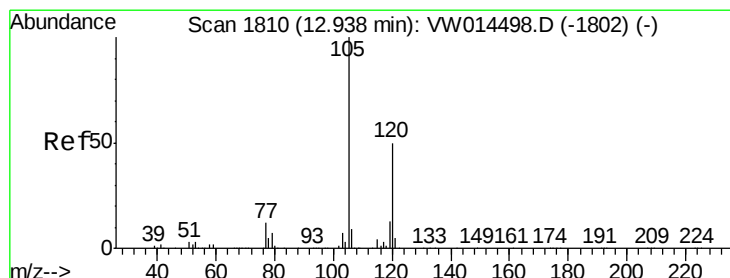
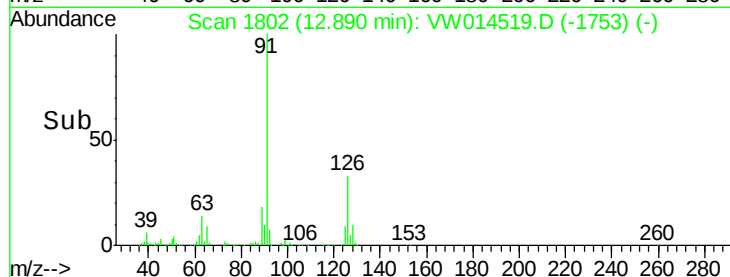
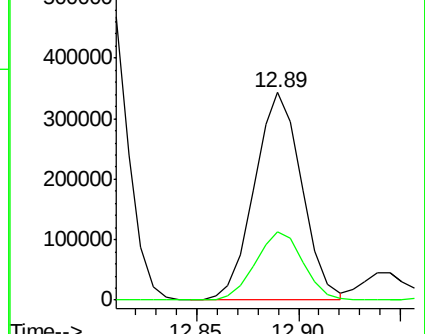
91 100

126 33.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.672 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014519.D

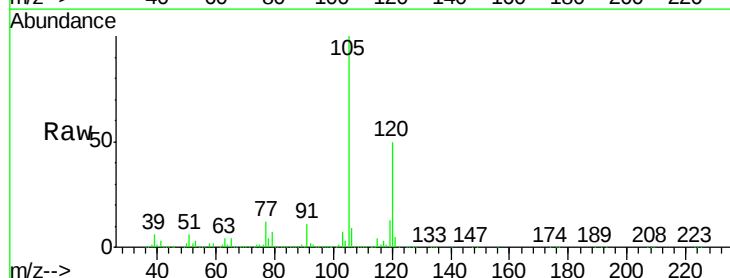
Acq: 06 Jan 2020 13:18

Tgt Ion: 105 Resp: 692936

Ion Ratio Lower Upper

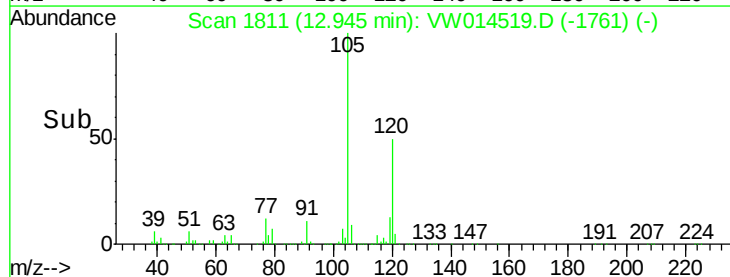
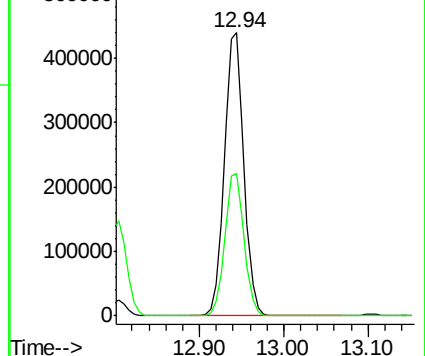
105 100

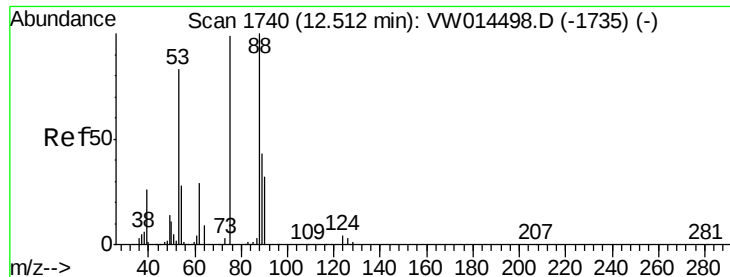
120 49.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.936 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

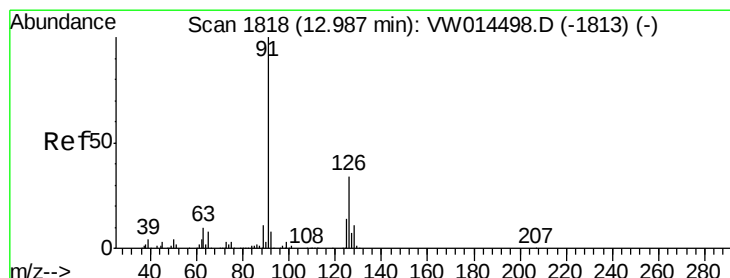
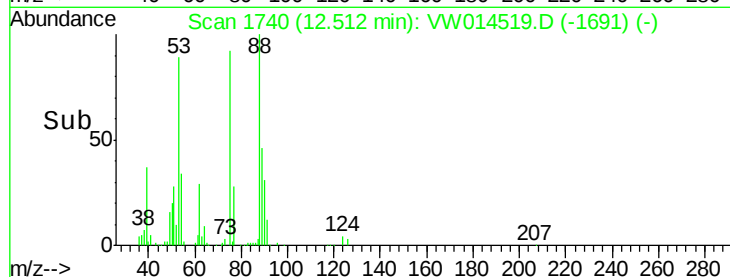
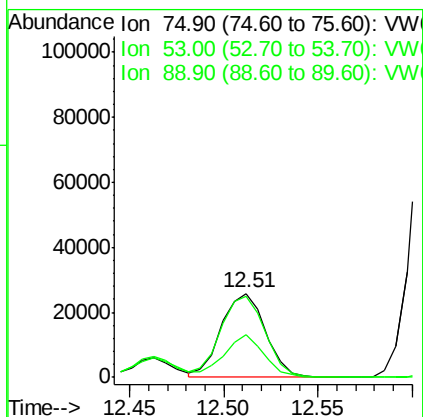
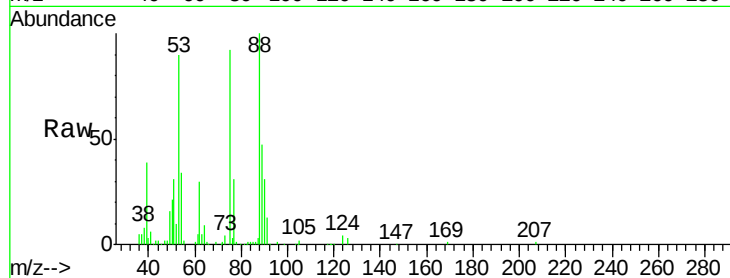
Tgt Ion: 75 Resp: 41412

Ion Ratio Lower Upper

75 100

53 98.6 70.9 106.3

89 47.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.681 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014519.D

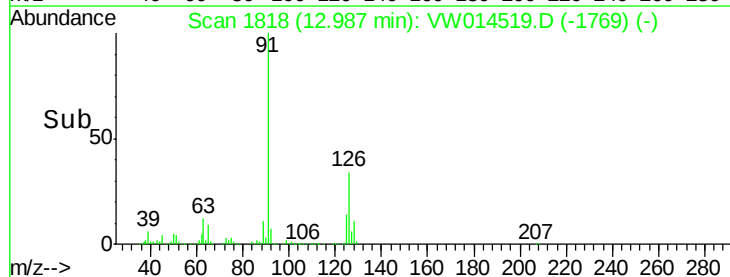
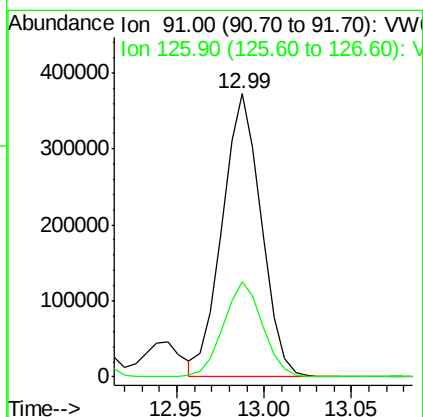
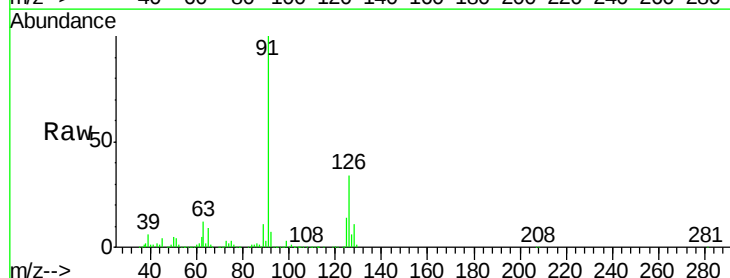
Acq: 06 Jan 2020 13:18

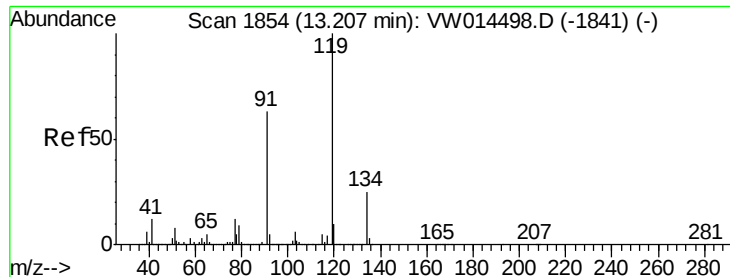
Tgt Ion: 91 Resp: 574006

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2

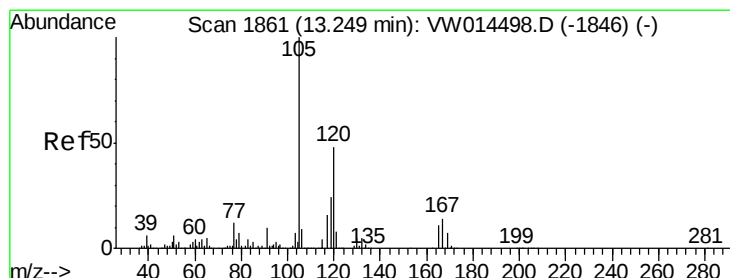
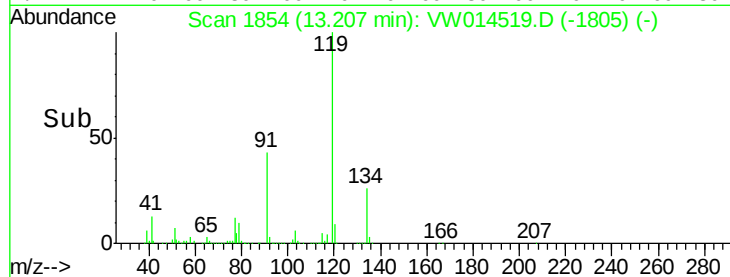
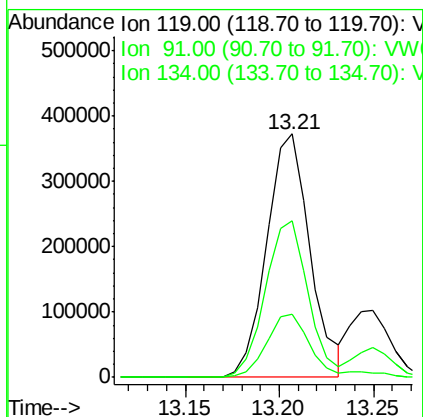
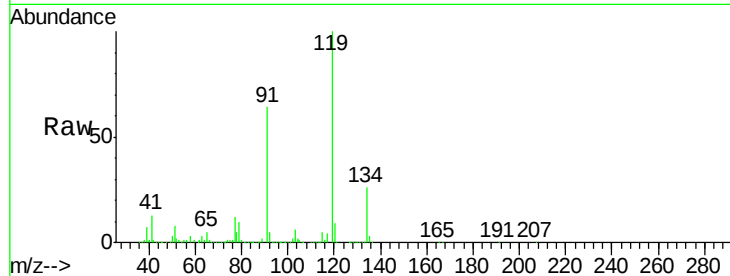




#83
tert-Butylbenzene
Concen: 20.314 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

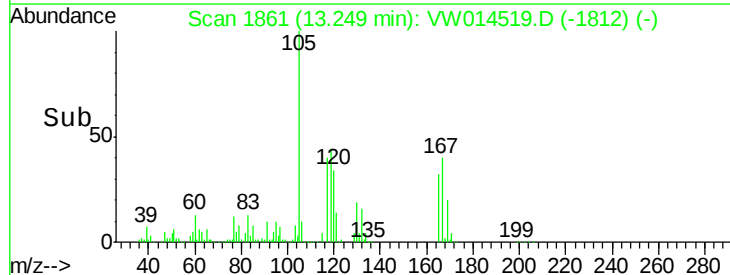
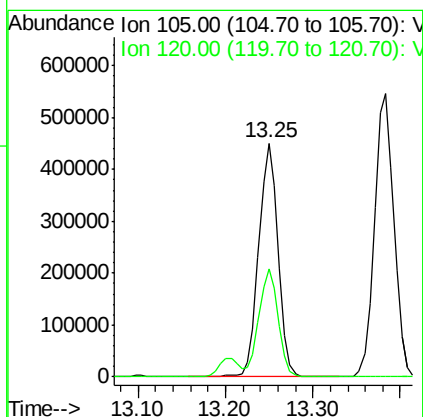
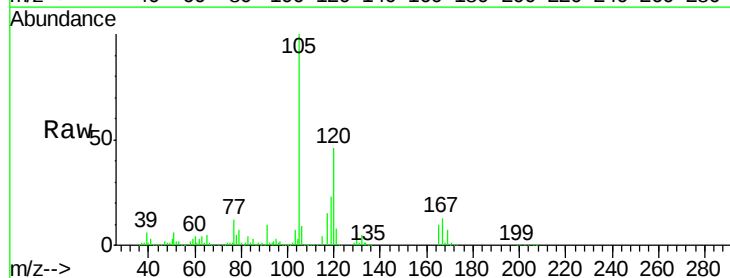
Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

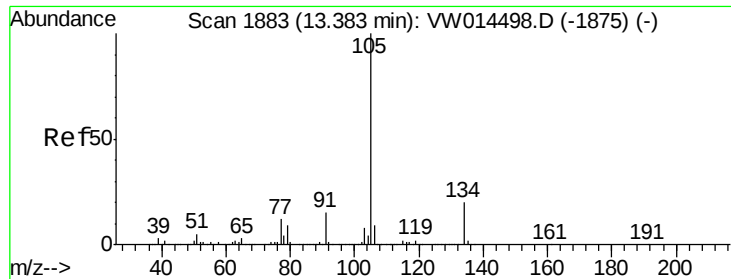
Tgt Ion:119 Resp: 596178
Ion Ratio Lower Upper
119 100
91 63.1 31.1 93.3
134 27.2 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 20.681 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion:105 Resp: 689842
Ion Ratio Lower Upper
105 100
120 46.2 23.4 70.0





#85

sec-Butylbenzene

Concen: 20.659 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

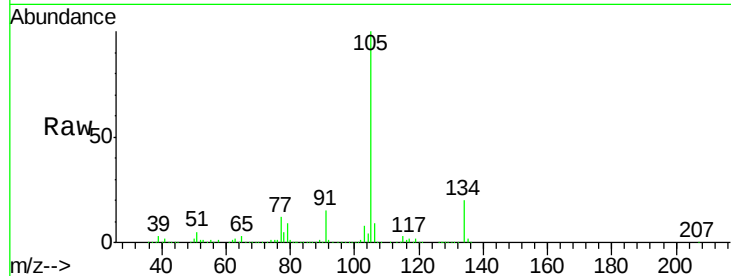
VW0106SBS01

Tgt Ion:105 Resp: 839213

Ion Ratio Lower Upper

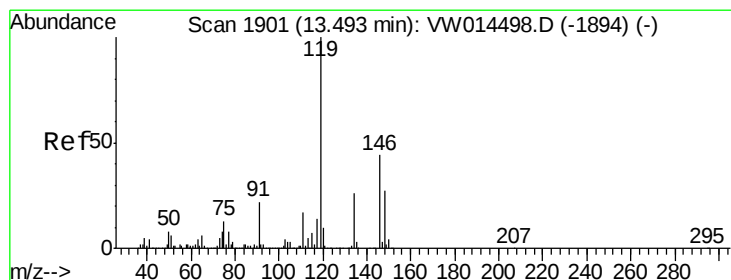
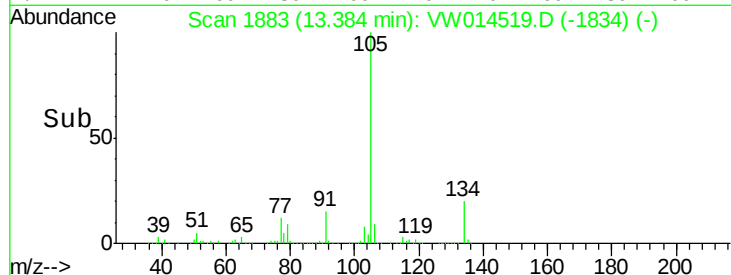
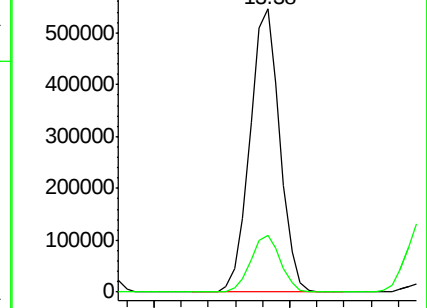
105 100

134 20.0 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.699 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

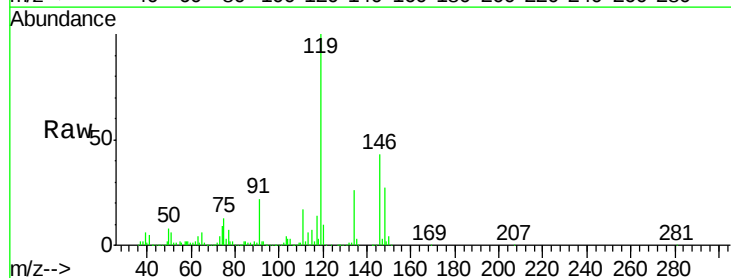
Tgt Ion:119 Resp: 766423

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

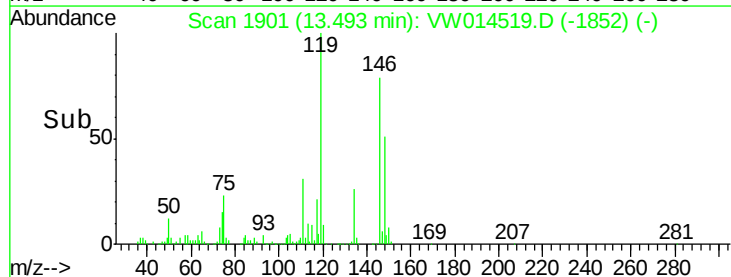
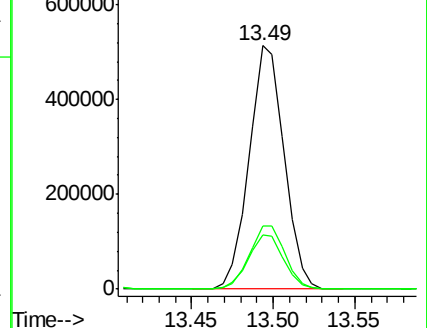
91 22.6 11.1 33.3

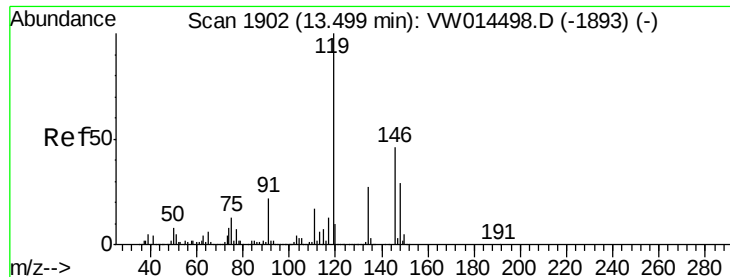


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

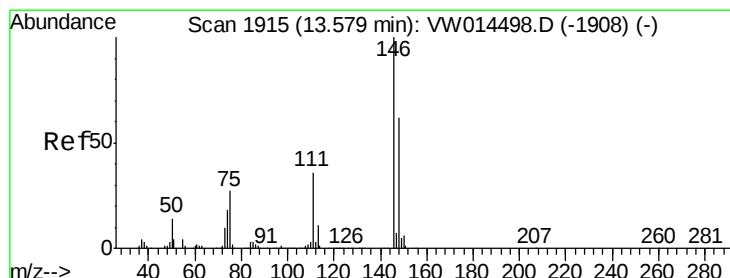
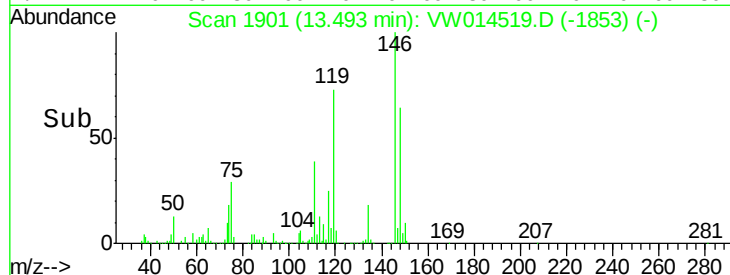
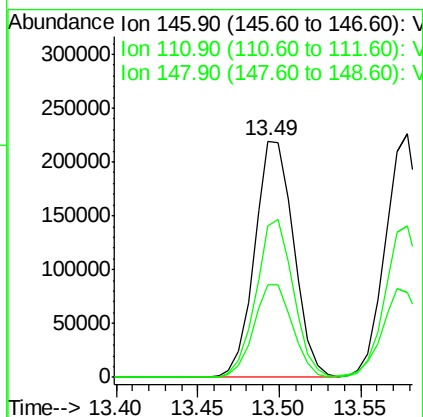
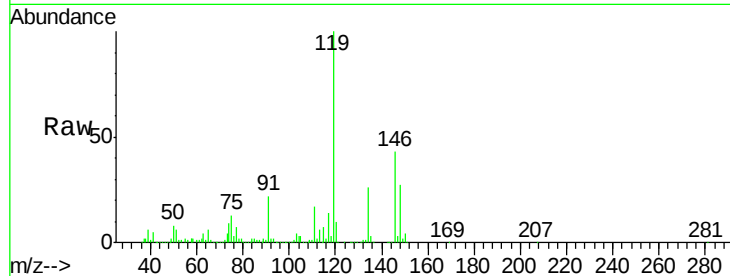




#87
 1,3-Dichlorobenzene
 Concen: 20.260 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

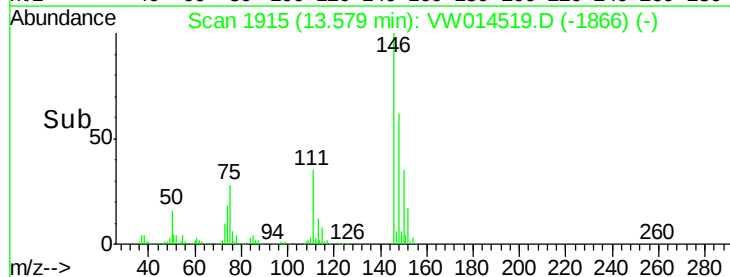
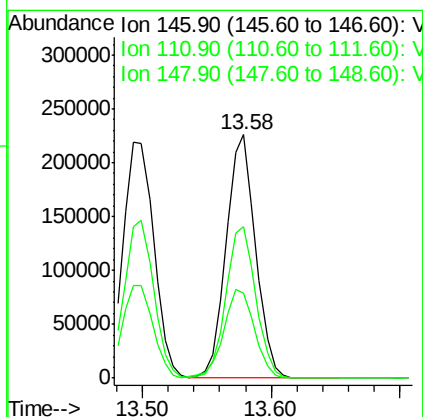
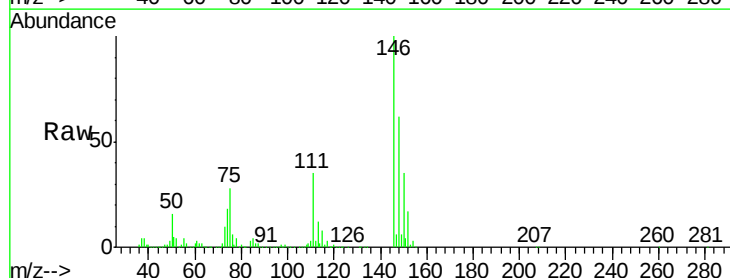
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

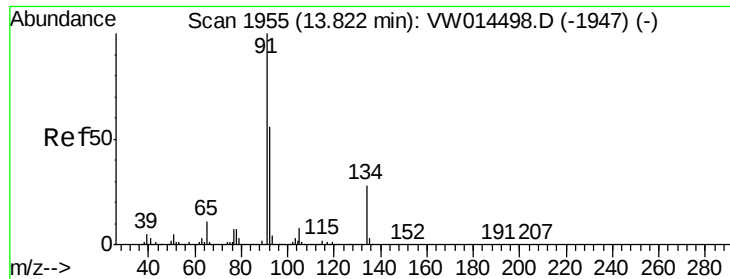
Tgt Ion:146 Resp: 365303
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.3 57.9
 148 63.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.218 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion:146 Resp: 359891
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.7 56.1
 148 63.5 31.7 95.1





#89

n-Butylbenzene

Concen: 20.672 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

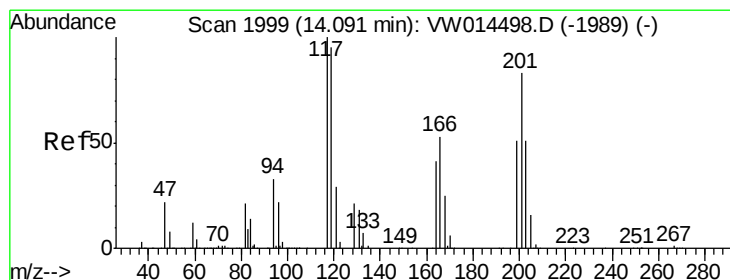
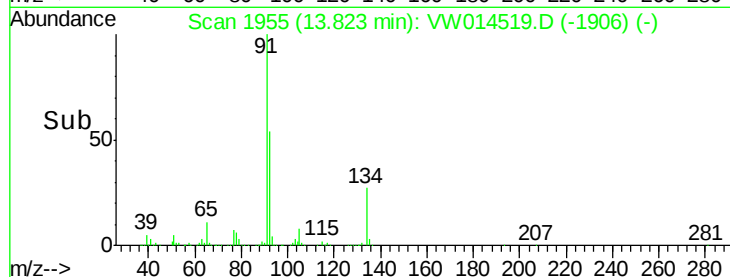
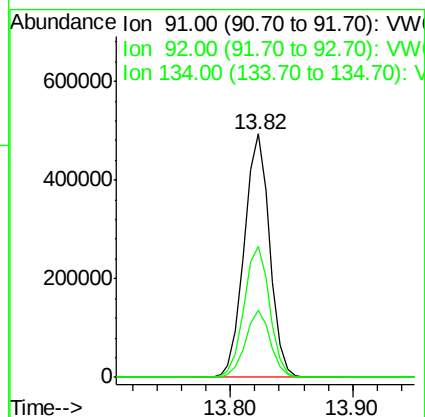
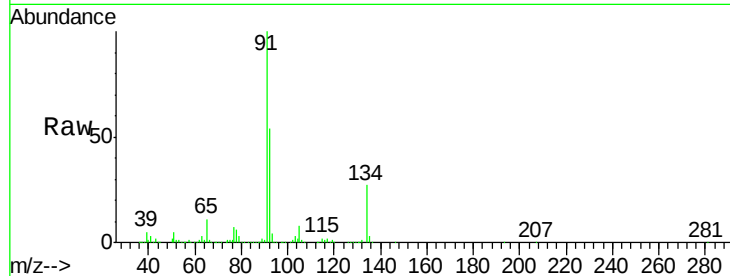
Tgt Ion: 91 Resp: 710778

Ion Ratio Lower Upper

91 100

92 54.3 27.5 82.5

134 26.8 13.7 41.1



#90

Hexachloroethane

Concen: 19.928 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014519.D

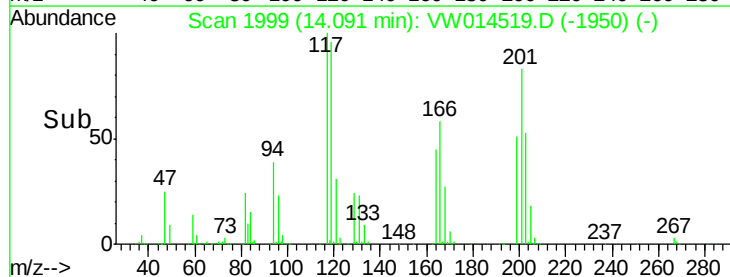
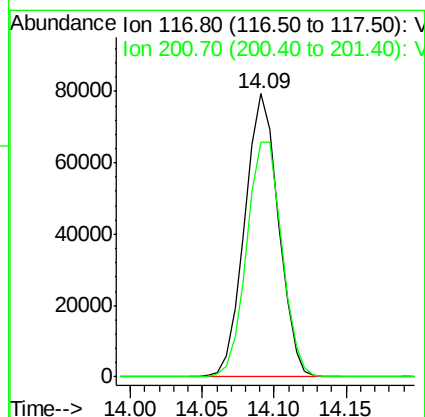
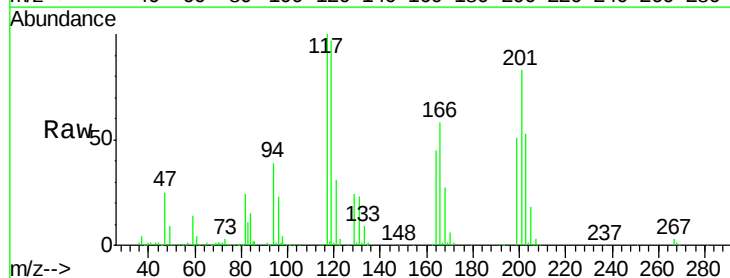
Acq: 06 Jan 2020 13:18

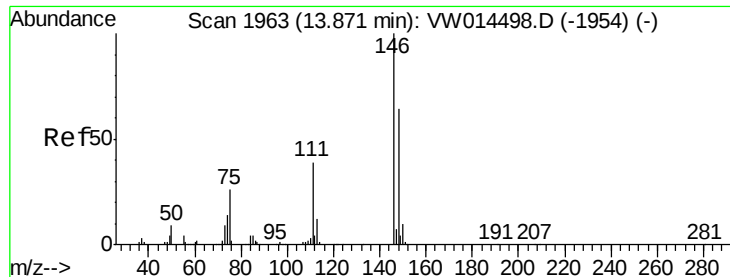
Tgt Ion: 117 Resp: 128904

Ion Ratio Lower Upper

117 100

201 86.1 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 19.943 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW0106SBS01

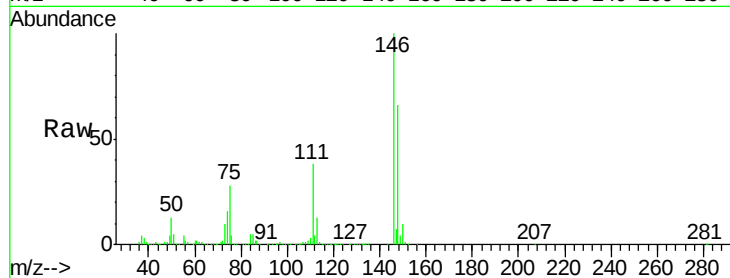
Tgt Ion: 146 Resp: 316038

Ion Ratio Lower Upper

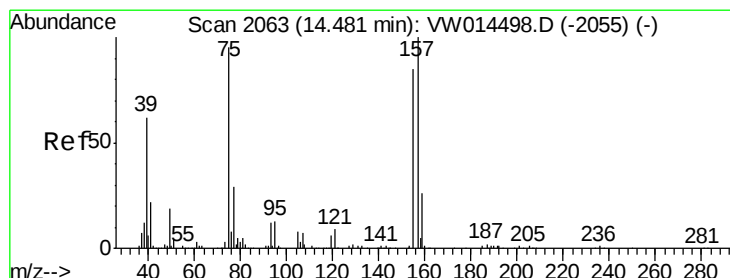
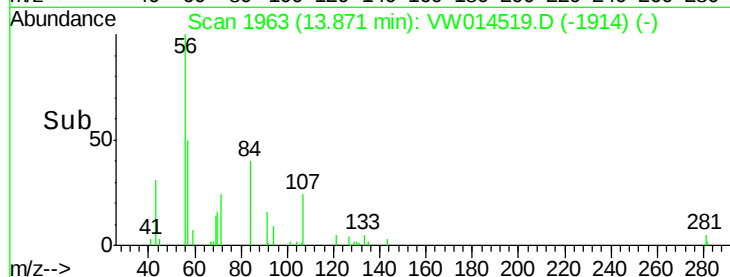
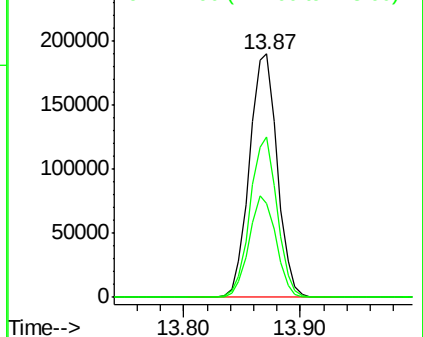
146 100

111 40.7 20.4 61.3

148 64.2 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.702 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW014519.D

Acq: 06 Jan 2020 13:18

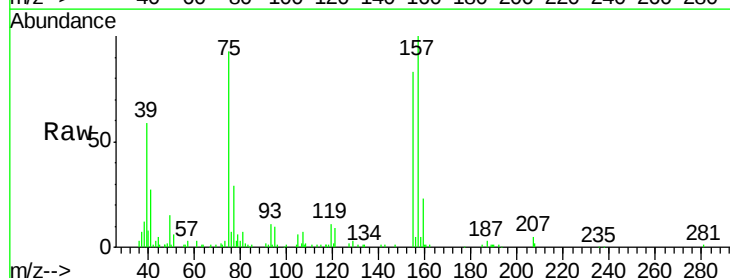
Tgt Ion: 75 Resp: 20199

Ion Ratio Lower Upper

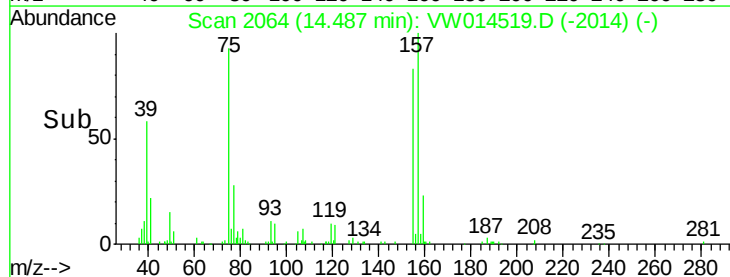
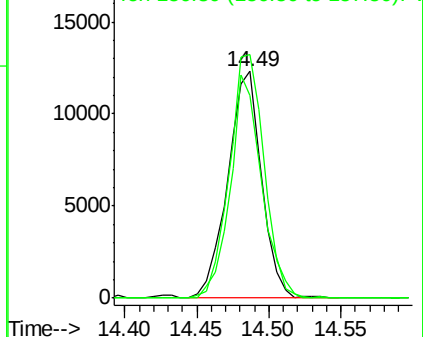
75 100

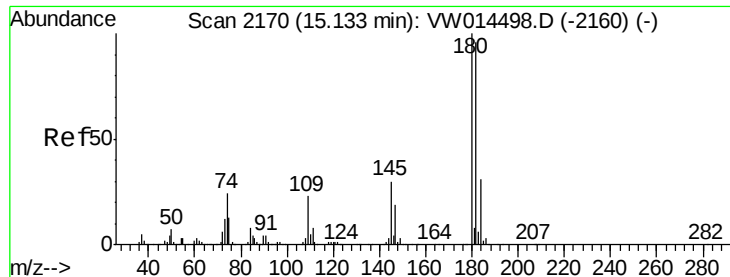
155 90.6 45.8 137.4

157 110.5 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

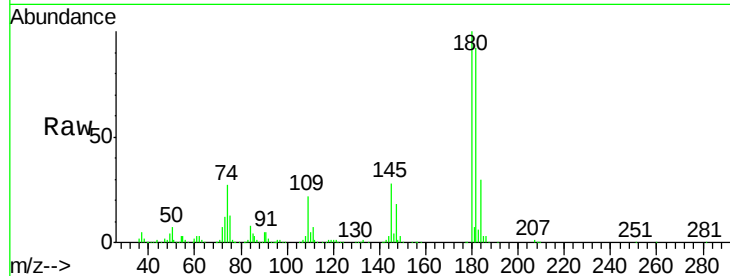




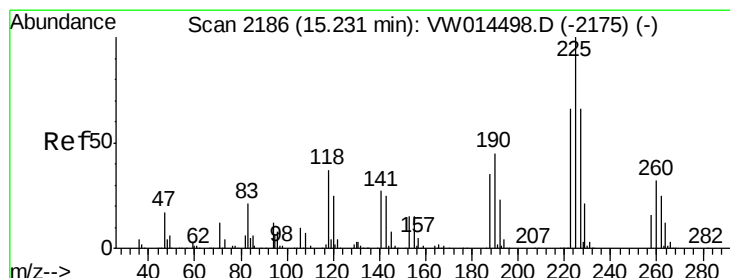
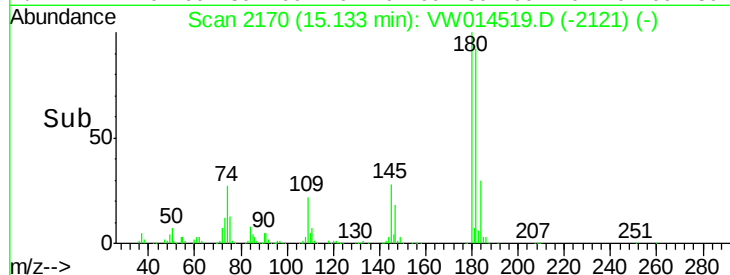
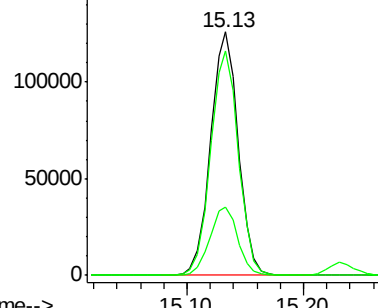
#93
 1,2,4-Trichlorobenzene
 Concen: 19.427 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0106SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.3	141.8
145	28.5	14.7	44.1

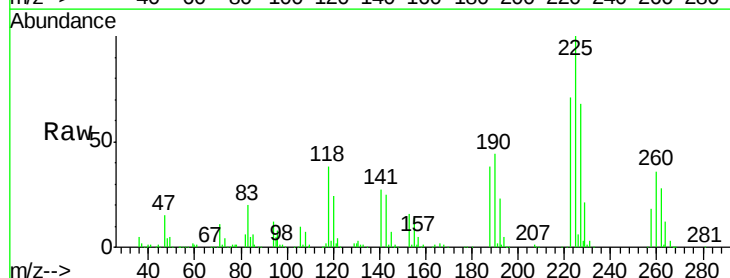


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

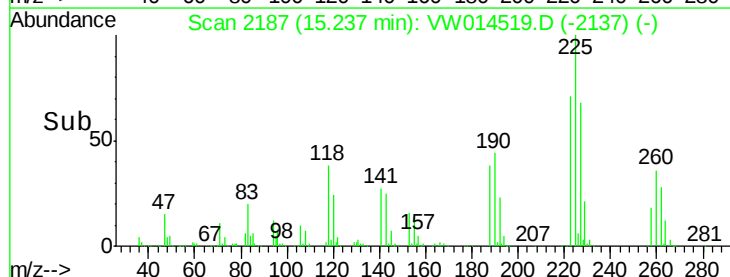
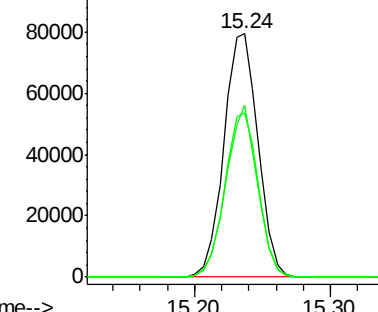


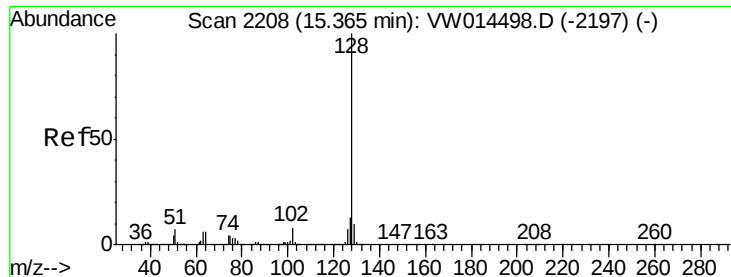
#94
 Hexachlorobutadiene
 Concen: 19.407 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014519.D
 Acq: 06 Jan 2020 13:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.4	97.2
227	66.5	32.6	97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

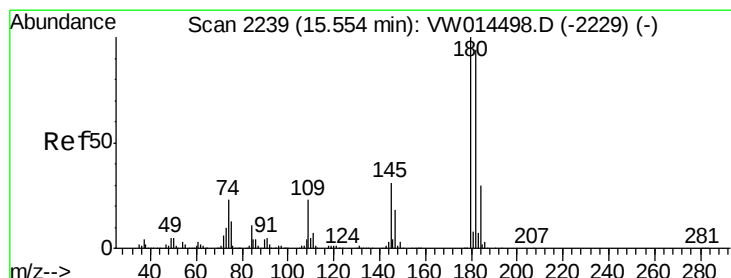
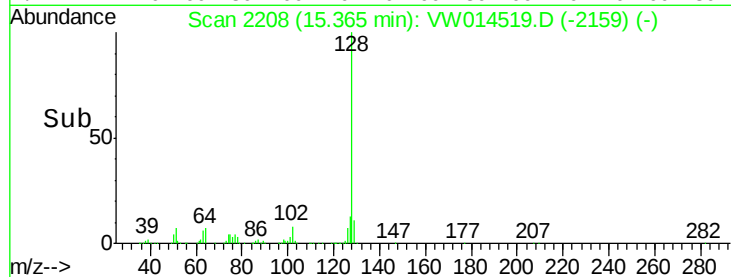
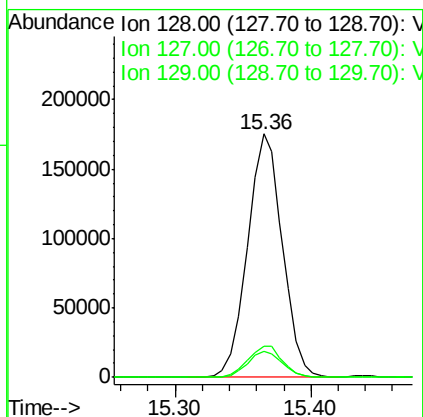
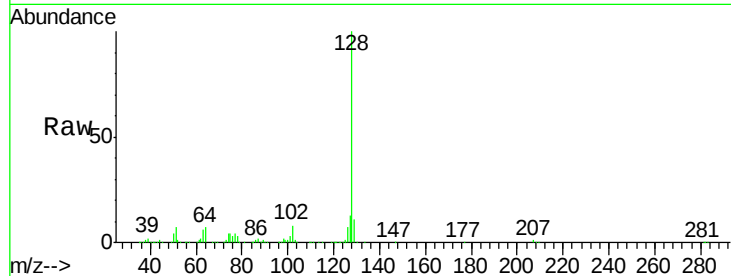




#95
Naphthalene
Concen: 17.176 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Instrument :
MSVOA_W
ClientSampleId :
VW0106SBS01

Tgt Ion:128 Resp: 313491
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.475 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014519.D
Acq: 06 Jan 2020 13:18

Tgt Ion:180 Resp: 172338
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.2
145 30.6 15.5 46.5

